



## CERTIFICAT DE INREGISTRARE

Acest certificat confirma faptul că sistemul de management al

**S.C. „SANTINA-J” S.R.L.**

MD-2045, 10/2-3, Matei Basarab street, Chisinau,  
Republica of Moldova

a fost auditat și aprobat de către  
Quay Audit UK Ltd pentru următorul standard de management :

**ISO 9001:2015**



Sistemul de management aprobat se aplică pentru următoarele domenii de activitate:

Proiectarea, fabricarea și instalarea de uși, ferestre, vitralii din PVC și aluminiu,  
montarea pereților cortină, placarea cu bond și ceramo-granit. Importul și comercializarea profilului din PVC, marca  
comercială "Wital" și profilului din aluminiu, marca comercială " Alutech. Tratarea și acoperirea metalelor.

Acest certificat se aplica pentru acele domenii de activitate descrise  
în Codurile NACE(CAEN) enumerate mai jos, recunoscute internațional:

**2223, 2512, 2561, 4333, 4673, 7112**

Aprobat initial la **6 Mai 2020**  
Certificare curentă **25 Mai 2023**  
Certificatul expira la **6 Mai 2026**  
Numarul certificatului **4156932**



În numele **Quay Audit UK Limited**



[www.ascb.com](http://www.ascb.com)



[www.global-accreditation.org](http://www.global-accreditation.org)



[www.irqao.com](http://www.irqao.com)

Acesta este un certificat acreditat și autorizat pentru emitere de către Accreditation Service for Certifying Bodies LLC, evaluat de către Quay Audit UK Limited față de criteriile definite și în cunoștință de cauză, cea mai recentă versiune a standardului ISO/IEC 17021 "Evaluarea conformității. Cerințe pentru organisme care efectuează audit și certificare ale sistemelor de management". Acest certificat este valabil numai atunci când se regăsește în registrul International Register of Quality Assessed Organisations: [www.irqao.com](http://www.irqao.com)

Grove House 8 St. Julian's Friars Shrewsbury Shropshire SY1 1XL | (44)1743 351677 | [post@quayaudit.co.uk](mailto:post@quayaudit.co.uk) | [www.quayaudit.co.uk](http://www.quayaudit.co.uk)



# QuayAudit

## CERTIFICAT DE INREGISTRARE

Acest certificat confirma faptul că sistemul de management al

**S.C. „SANTINA-J” S.R.L.**

MD-2045, 10/2-3, Matei Basarab street, Chisinau,  
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**ISO 14001:2015**

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Proiectarea, fabricarea și instalarea de uși, ferestre, vitralii din PVC și aluminiu,  
montarea pereților cortină, placarea cu bond și ceramo-granit. Importul și comercializarea profilului din PVC, marca  
comercială "Wital" și profilului din aluminiu, marca comercială " Alutech. Tratarea și acoperirea metalelor.

Acest certificat se aplica pentru acele domenii de activitate descrise  
in Codurile NACE(CAEN) enumerate mai jos, recunoscute internațional:

**2223, 2512, 2561, 4333, 4673, 7112**

Aprobat initial la **6 Mai 2020**  
Certificare curentă **25 Mai 2023**  
Certificatul expira la **6 Mai 2026**  
Numarul certificatului **4156933**



În numele **Quay Audit UK Limited**



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[www.global-accreditation.org](http://www.global-accreditation.org)



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# Certificat de Aprobare

Acest certificat atestă că Sistemul de Management al:

## Saint Gobain Construction Products Romania SRL

Calea Floreasca, Nr. 165, ONE UNITED TOWER, Et. 10,014472, Bucuresti, Romania

A fost aprobat de către LRQA în conformitate cu următoarele standarde:

### ISO 9001:2015

Număr de aprobare: ISO 9001 – 00009629

Acest certificat este valabil numai însoțit de anexele care au același număr de certificat și care prezintă lista sediilor incluse în certificare.

#### Aprobarea este aplicabilă următorului domeniu:

Extracție gips. Fabricarea ipsosului, tencuielilor și adezivilor pe bază de ipsos pentru construcții și a ipsosurilor industriale. Fabricarea plăcilor de gips carton. Comercializarea și organizarea transportului plăcilor de gips carton și a altor plăci speciale, dalelor pentru plafoane false demontabile, profilelor și accesoriilor pentru sistemele de gips carton și plafoanele false demontabile, produselor (inclusiv accesoriile) de finisare pe bază de ipsos – tencuieli, gleturi și adezivi, produselor izolatoare (vată bazaltică, vată din fibre de sticlă, polistiren expandat și extrudat). Producție de produse izolatoare din vată minerală bazaltică și vată minerală de sticlă. Comercializare de produse pentru izolații, etanșare față de trecerea aerului și control al umidității. Consultanță referitoare la materiale izolatoare pentru construcții și industrie. Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative. Producția și comercializarea sticlei plane float, peliculizate și stratificate.

Cercetare – dezvoltare, producție și comercializare de mortare uscate pentru construcții, adezivi și hidroizolații, vopsele lavabile, emailuri, lacuri și tencuieli decorative pe bază de apă. Producție și comercializare de structuri metalice, armături, profile și accesorii pentru plăci de gips-carton.



Paul Graaf

Area Operations Manager, Europe

Emis de: LRQA Limited



# Anexă la certificat

Locații	Activități
<p>Calea Floreasca, Nr. 165, ONE UNITED TOWER, Et. 10,014472, Bucuresti, Romania</p>	<p><b>ISO 9001:2015</b>                      Comercializarea plăcilor de gips carton și a altor plăci speciale, dalelor pentru plafoane false demontabile, profilelor și accesoriilor pentru sistemele de gips carton și plafoanele false demontabile, produselor (inclusiv accesoriile) de finisare pe bază de ipsos – tencuieli, gleturi și adezivi, produselor izolatoare (vată bazaltică, vată din fibre de sticlă, polistiren expandat și extrudat). Comercializare de produse pentru izolații, etanșare față de trecerea aerului și control al umidității. Consultanță referitoare la materiale izolatoare pentru construcții și industrie. Comercializarea de adezivi și mortare uscate pentru construcții. Comercializarea de vopsele și tencuieli decorative. Comercializarea sticlei plane float, peliculizate și stratificate. Comercializare de mortare uscate pentru construcții, adezivi și hidroizolații, vopsele lavabile, emailuri, lacuri și tencuieli decorative pe bază de apă. Comercializare de structuri metalice, armături, profile și accesorii pentru plăci de gips-carton.</p>
<p><b>SGCPRo Rigips Fabrica de Placi de Gips Carton Turda</b>                      Str. Trascaului, Nr.2, Jud. Cluj,401135, Turda, Romania</p>	<p><b>ISO 9001:2015</b>                      Fabricarea plăcilor de gips carton. Comercializarea și organizarea transportului plăcilor de gips carton și a altor plăci speciale, dalelor pentru plafoane false demontabile, profilelor și accesoriilor pentru sistemele de gips carton și plafoanele false demontabile, produselor (inclusiv accesoriile) de finisare pe bază de ipsos – tencuieli, gleturi și adezivi, produselor izolatoare (vată bazaltică, vată din fibre de sticlă, polistiren expandat și extrudat).</p>
<p><b>SGCPRo Rigips Fabrica de Ipsos Turda</b>                      Str. 22 Decembrie 1989, Nr.3, Jud. Cluj,401113, Turda, Romania</p>	<p><b>ISO 9001:2015</b>                      Fabricarea ipsosului, tencuielilor și adezivilor pe bază de ipsos pentru construcții și a ipsosurilor industriale. Comercializarea și organizarea transportului produselor de finisare pe bază de ipsos – tencuieli, gleturi și adezivi.</p>
<p><b>SGCPRo Rigips Cariera de Gips</b>                      Sat Cheia, Jud. Cluj,407406, Comuna Mihai-Viteazu, Romania</p>	<p><b>ISO 9001:2015</b>                      Extracție gips.</p>



# Anexă la certificat

Locații	Activități
<b>SGCPRo Rigips Depozit Bucuresti</b> Autostrada A1 Bucuresti-Pitesti, Km 13, Parc Bucuresti Vest, Corp A, Jud. Ilfov, Dragomiresti Deal, Romania	<b>ISO 9001:2015</b> Comercializarea și organizarea transportului plăcilor de gips carton și a altor plăci speciale, dalelor pentru plafoane false demontabile, profilelor și accesoriilor pentru sistemele de gips carton și plafoanele false demontabile, produselor (inclusiv accesoriile) de finisare pe bază de ipsos – tencuieli, gleturi și adezivi, produselor izolatoare (vată bazaltică, vată din fibre de sticlă, polistiren expandat și extrudat).
<b>SGCPRo Isover Fabrica Isover Ploiesti</b> Str. Mihai Bravu, Nr. 233, Jud. Prahova,100410, Ploiesti, Romania	<b>ISO 9001:2015</b> Producție de produse izolatoare din vată minerală bazaltică și vată minerală de sticlă. Comercializare de produse pentru izolații, etanșare față de trecerea aerului și control al umidității. Consultanță referitoare la materiale izolatoare pentru construcții și industrie.
<b>SGCPRo Weber Fabrica Weber Turda</b> Str. 22 Decembrie 1989, Nr. 23, Jud. Cluj,401113, Turda, Romania	<b>ISO 9001:2015</b> Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative.
<b>SGCPRo Weber Fabrica Weber Suceava</b> Str. Stroiesti, Nr. 827, Jud. Suceava,727500, Suceava, Romania	<b>ISO 9001:2015</b> Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative.
<b>SGCPRo Weber Fabrica Weber Branesti</b> Str. I.C. Bratianu, Nr. 284, Jud. Ilfov,077030, Comuna Branesti, Romania	<b>ISO 9001:2015</b> Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative.
<b>DURAZIV SRL - punct de lucru 1</b> Str. Fagulului, nr. 21, Jud. Ilfov,077160, Popesti-Leordeni, Romania	<b>ISO 9001:2015</b> Cercetare – dezvoltare, producție și comercializare de mortare uscate pentru construcții, adezivi și hidroizolații, vopsele lavabile, emailuri, lacuri și tencuieli decorative pe bază de apă.



# Anexă la certificat

Locații	Activități
<p><b>DURAZIV SRL - punct de lucru 2</b>                      Str. Fagului, nr. 23, Jud. Ilfov, 077160,                      Popești-Leordeni, Romania</p>	<p><b>ISO 9001:2015</b>                      Producție și comercializare de structuri metalice,                      armături, profile și accesorii pentru plăci de gips-carton.</p>
<p><b>SGGRo - Saint-Gobain Glass</b>                      Str. Varianta Nord, nr. 61, Jud. Calarasi, 910053, Calarasi,                      Romania</p>	<p><b>ISO 9001:2015</b>                      Producția și comercializarea sticlei plane float,                      peliculizate și stratificate.</p>



# Certificat de Aprobare

Acest certificat atestă că Sistemul de Management al:

## Saint Gobain Construction Products Romania SRL

Calea Floreasca, Nr. 165, ONE UNITED TOWER, Et. 10,014472, Bucuresti, Romania

A fost aprobat de către LRQA în conformitate cu următoarele standarde:

### ISO 14001:2015

Număr de aprobare: ISO 14001 – 00009628

Acest certificat este valabil numai însoțit de anexele care au același număr de certificat și care prezintă lista sediilor incluse în certificare.

#### Aprobarea este aplicabilă următorului domeniu:

Extracție gips. Fabricarea ipsosului, tencuielilor și adezivilor pe bază de ipsos pentru construcții și a ipsosurilor industriale. Fabricarea plăcilor de gips carton. Comercializarea și organizarea transportului plăcilor de gips carton și a altor plăci speciale, dalelor pentru plafoane false demontabile, profilelor și accesoriilor pentru sistemele de gips carton și plafoanele false demontabile, produselor (inclusiv accesoriile) de finisare pe bază de ipsos – tencuieli, gleturi și adezivi, produselor izolatoare (vată bazaltică, vată din fibre de sticlă, polistiren expandat și extrudat). Producție de produse izolatoare din vată minerală bazaltică și vată minerală de sticlă. Comercializare de produse pentru izolații, etanșare față de trecerea aerului și control al umidității. Consultanță referitoare la materiale izolatoare pentru construcții și industrie. Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative. Producția și comercializarea sticlei plane float, peliculizate și stratificate.

Cercetare – dezvoltare, producție și comercializare de mortare uscate pentru construcții, adezivi și hidroizolații, vopsele lavabile, emailuri, lacuri și tencuieli decorative pe bază de apă. Producție și comercializare de structuri metalice, armături, profile și accesorii pentru plăci de gips-carton.

Paul Graaf

Area Operations Manager, Europe

Emis de: LRQA Limited



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Locații	Activități
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<p><b>SGCPRo Rigips Fabrica de Ipsos Turda</b>                      Str. 22 Decembrie 1989, Nr.3, Jud. Cluj,401113, Turda, Romania</p>	<p><b>ISO 14001:2015</b>                      Fabricarea ipsosului, tencuielilor și adezivilor pe bază de ipsos pentru construcții și a ipsosurilor industriale. Comercializarea și organizarea transportului produselor de finisare pe bază de ipsos – tencuieli, gleturi și adezivi.</p>
<p><b>SGCPRo Rigips Cariera de Gips</b>                      Sat Cheia, Jud. Cluj,407406, Comuna Mihai-Viteazu, Romania</p>	<p><b>ISO 14001:2015</b>                      Extracție gips.</p>





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Locații	Activități
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<b>SGCPRo Weber Fabrica Weber Suceava</b> Str. Stroiesti, Nr. 827, Jud. Suceava,727500, Suceava, Romania	<b>ISO 14001:2015</b> Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative.
<b>SGCPRo Weber Fabrica Weber Branesti</b> Str. I.C. Bratianu, Nr. 284, Jud. Ilfov,077030, Comuna Branesti, Romania	<b>ISO 14001:2015</b> Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative.
<b>DURAZIV SRL - punct de lucru 1</b> Str. Fagulului, nr. 21, Jud. Ilfov,077160, Popesti-Leordeni, Romania	<b>ISO 14001:2015</b> Cercetare – dezvoltare, producție și comercializare de mortare uscate pentru construcții, adezivi și hidroizolații, vopsele lavabile, emailuri, lacuri și tencuieli decorative pe bază de apă.





# Anexă la certificat

Locații	Activități
<p><b>DURAZIV SRL - punct de lucru 2</b>                      Str. Fagului, nr. 23, Jud. Ilfov, 077160,                      Popești-Leordeni, Romania</p>	<p><b>ISO 14001:2015</b>                      Producție și comercializare de structuri metalice,                      armături, profile și accesorii pentru plăci de gips-carton.</p>
<p><b>SGGRo - Saint-Gobain Glass</b>                      Str. Varianta Nord, nr. 61, Jud. Calarasi, 910053, Calarasi,                      Romania</p>	<p><b>ISO 14001:2015</b>                      Producția și comercializarea sticlei plane float,                      peliculizate și stratificate.</p>





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Calea Floreasca, Nr. 165, ONE UNITED TOWER, Et. 10,014472, Bucuresti, Romania

A fost aprobat de către LRQA în conformitate cu următoarele standarde:

### ISO 45001:2018

Număr de aprobare: ISO 45001 – 0040391

Acest certificat este valabil numai însoțit de anexele care au același număr de certificat și care prezintă lista sediilor incluse în certificare.

#### Aprobarea este aplicabilă următorului domeniu:

Extracție gips. Fabricarea ipsosului, tencuielilor și adezivilor pe bază de ipsos pentru construcții și a ipsosurilor industriale. Fabricarea plăcilor de gips carton. Comercializarea și organizarea transportului plăcilor de gips carton și a altor plăci speciale, dalelor pentru plafoane false demontabile, profilelor și accesoriilor pentru sistemele de gips carton și plafoanele false demontabile, produselor (inclusiv accesoriile) de finisare pe bază de ipsos – tencuieli, gleturi și adezivi, produselor izolatoare (vată bazaltică, vată din fibre de sticlă, polistiren expandat și extrudat). Producție de produse izolatoare din vată minerală bazaltică și vată minerală de sticlă. Comercializare de produse pentru izolații, etanșare față de trecerea aerului și control al umidității. Consultanță referitoare la materiale izolatoare pentru construcții și industrie. Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative. Comercializarea sticlei plane float, peliculizate și stratificate. Comercializare de mortare uscate pentru construcții, adezivi și hidroizolații, vopsele lavabile, emailuri, lacuri și tencuieli decorative pe bază de apă. Comercializare de structuri metalice, armături, profile și accesorii pentru plăci de gips-carton.



Paul Graaf

Area Operations Manager, Europe

Emis de: LRQA Limited





# Anexă la certificat

Locații	Activități
Calea Floreasca, Nr. 165, ONE UNITED TOWER, Et. 10,014472, Bucuresti, Romania	<p><b>ISO 45001:2018</b>                      Comercializarea plăcilor de gips carton și a altor plăci speciale, dalelor pentru plafoane false demontabile, profilelor și accesoriilor pentru sistemele de gips carton și plafoanele false demontabile, produselor (inclusiv accesoriile) de finisare pe bază de ipsos – tencuieli, gleturi și adezivi, produselor izolatoare (vată bazaltică, vată din fibre de sticlă, polistiren expandat și extrudat). Comercializare de produse pentru izolații, etanșare față de trecerea aerului și control al umidității. Consultanță referitoare la materiale izolatoare pentru construcții și industrie. Comercializarea de adezivi și mortare uscate pentru construcții. Comercializarea de vopsele și tencuieli decorative. Comercializarea sticlei plane float, peliculizate și stratificate. Comercializare de mortare uscate pentru construcții, adezivi și hidroizolații, vopsele lavabile, emailuri, lacuri și tencuieli decorative pe bază de apă. Comercializare de structuri metalice, armături, profile și accesorii pentru plăci de gips-carton.</p>
<p><b>SGCPRo Rigips Fabrica de Placi de Gips Carton Turda</b>                      Str. Trascaului, Nr.2, Jud. Cluj,401135, Turda, Romania</p>	<p><b>ISO 45001:2018</b>                      Fabricarea plăcilor de gips carton. Comercializarea și organizarea transportului plăcilor de gips carton și a altor plăci speciale, dalelor pentru plafoane false demontabile, profilelor și accesoriilor pentru sistemele de gips carton și plafoanele false demontabile, produselor (inclusiv accesoriile) de finisare pe bază de ipsos – tencuieli, gleturi și adezivi, produselor izolatoare (vată bazaltică, vată din fibre de sticlă, polistiren expandat și extrudat).</p>
<p><b>SGCPRo Rigips Fabrica de Ipsos Turda</b>                      Str. 22 Decembrie 1989, Nr.3, Jud. Cluj,401113, Turda, Romania</p>	<p><b>ISO 45001:2018</b>                      Fabricarea ipsosului, tencuielilor și adezivilor pe bază de ipsos pentru construcții și a ipsosurilor industriale. Comercializarea și organizarea transportului produselor de finisare pe bază de ipsos – tencuieli, gleturi și adezivi.</p>
<p><b>SGCPRo Rigips Cariera de Gips</b>                      Sat Cheia, Jud. Cluj,407406, Comuna Mihai-Viteazu, Romania</p>	<p><b>ISO 45001:2018</b>                      Extracție gips.</p>





# Anexă la certificat

Locații	Activități
<p><b>SGCPRo Rigips Depozit Bucuresti</b>                      Autostrada A1 Bucuresti-Pitesti, Km 13, Parc Bucuresti Vest,                      Corp A, Jud. Ilfov, Dragomiresti Deal,                      Romania</p>	<p><b>ISO 45001:2018</b>                      Comercializarea și organizarea transportului plăcilor de gips carton și a altor plăci speciale, dalelor pentru plafoane false demontabile, profilelor și accesoriilor pentru sistemele de gips carton și plafoanele false demontabile, produselor (inclusiv accesoriile) de finisare pe bază de ipsos – tencuieli, gleturi și adezivi, produselor izolatoare (vată bazaltică, vată din fibre de sticlă, polistiren expandat și extrudat).</p>
<p><b>SGCPRo Isover Fabrica Isover Ploiesti</b>                      Str. Mihai Bravu, Nr. 233, Jud. Prahova, 100410,                      Ploiesti, Romania</p>	<p><b>ISO 45001:2018</b>                      Producție de produse izolatoare din vată minerală bazaltică și vată minerală de sticlă. Comercializare de produse pentru izolații, etanșare față de trecerea aerului și control al umidității. Consultanță referitoare la materiale izolatoare pentru construcții și industrie.</p>
<p><b>SGCPRo Weber Fabrica Weber Turda</b>                      Str. 22 Decembrie 1989, Nr. 23, Jud. Cluj, 401113, Turda,                      Romania</p>	<p><b>ISO 45001:2018</b>                      Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative.</p>
<p><b>SGCPRo Weber Fabrica Weber Suceava</b>                      Str. Stroiesti, Nr. 827, Jud. Suceava, 727500,                      Suceava, Romania</p>	<p><b>ISO 45001:2018</b>                      Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative.</p>
<p><b>SGCPRo Weber Fabrica Weber Branesti</b>                      Str. I.C. Bratianu, Nr. 284, Jud. Ilfov, 077030,                      Comuna Branesti, Romania</p>	<p><b>ISO 45001:2018</b>                      Producția și comercializarea de adezivi și mortare uscate pentru construcții. Colorarea și comercializarea de vopsele și tencuieli decorative.</p>





## ALPES RAW





### GRES PORCELLANATO A MASSA COLORATA / FULL BODY COLORED PORCELAIN TILES

CLASSIFICAZIONE SECONDO NORME UNI EN 14411 (ISO 13006) ALLEGATO G-Gruppo BLa GL

CLASSIFICATION IN ACCORDANCE WITH UNI EN 14411 (ISO 13006) ANNEX G-Group BLa GL

9 mm: 60x120 (24"x48") rett, lapp. | 60x60 (24"x24") rett, lapp. | 30x60 (12"x24") rett, lapp.

PROPRIETÀ FISICO-CHIMICHE PHYSICAL-CHEMICAL PROPERTIES	NORMA NORM	VALORE PRESCRITTO DALLE NORME VALUE PRESCRIBED FROM THE NORMS	VALORE ABK ABK VALUE ALPES RAW NAT.
LUNGHEZZA E LARGHEZZA DIMENSIONE MEDIA DI OGNI PIASTRELLA LENGTH AND WIDTH OF THE AVERAGE-SIZES TILE	UNI EN ISO 10545/2	± 0,5%	CONFORME ACCORDING
SPESSORE THICKNESS	UNI EN ISO 10545/2	± 5%	CONFORME ACCORDING
RETTILINEARITÀ SPIGOLI WARPAGES OF EDGES	UNI EN ISO 10545/2	± 0,5%	CONFORME ACCORDING
ORTOGONALITÀ WEDGING	UNI EN ISO 10545/2	± 0,6%	CONFORME ACCORDING
PLANARITÀ FLATNESS	UNI EN ISO 10545/2	± 0,5%	CONFORME ACCORDING
ASSORBIMENTO D'ACQUA WATER ABSORPTION	UNI EN ISO 10545/3	E ≤ 0,5%	CONFORME ACCORDING
RESISTENZA ALLA FLESSIONE BENDING STRENGTH	UNI EN ISO 10545/4	≥ 35 N/mm <sup>2</sup>	9 mm: ≥ 45 N/mm <sup>2</sup>
FORZA DI ROTTURA BREAKING STRENGTH	UNI EN ISO 10545/4	< 7,5 mm: ≥ 700 N ≥ 7,5 mm: ≥ 1300 N	CONFORME ACCORDING
RESISTENZA ALL'ABRASIONE SUPERFICIALE PER PIASTRELLE SMALTATE ABRASION RESISTANCE FOR GLAZED TILES	UNI EN ISO 10545/7	IN FUNZIONE DELLA DESTINAZIONE D'USO ACCORDING TO THE DESTINATION OF FINAL USE	CONFORME ACCORDING
RESISTENZA AGLI SBALZI TERMICI THERMAL SHOCK RESISTANCE	UNI EN ISO 10545/9	RICHIESTA REQUIRED	RESISTE RESISTS
RESISTENZA AL GELO FROST RESISTANCE	UNI EN ISO 10545/12	RICHIESTA REQUIRED	INGELIVO FROST PROOF
RESISTENZA ALL'ATTACCO CHIMICO CHEMICAL RESISTANCE	UNI EN ISO 10545/13	MIN GB	CONFORME ACCORDING
RESISTENZA ALLE MACCHIE RESISTANCE TO STAINING	UNI EN ISO 10545/14	GL: CLASSE 3 MIN	RESISTE RESISTS
RESISTENZA ALLO SCIVOLAMENTO SLIP RESISTANCE	B.C.R.A. C.A.	μ 0,19 SCIVOLOSITÀ PERICOLOSA - DANGEROUSLY SLIPPERY 0,20 < μ < 0,39 SCIVOLOSITÀ ECCESSIVA - EXCESSIVELY SLIPPERY 0,40 < μ < 0,74 ATTRITO SODDISFACENTE - SATISFACTORY GRIP μ 0,75 ATTRITO ECCELLENTE - EXCELLENT GRIP	> 0,40
	B.C.R.A. G.B.		> 0,40
	ASTM C 1028 (S.C.O.F.)	SLIP RESISTANT (> 0,60)	> 0,60 DRY
			> 0,60 WET
	DIN 51130	IN FUNZIONE DELL'AMBIENTE O DELLA ZONA DI LAVORO BASING ON THE ENVIRONMENT OR THE WORKING AREA	R10
	DIN 51097	-	A+B
	ANSI A 137-1:2012	≥ 0,42	> 0,42

VARIAZIONE CROMATICA SHADE VARIATION	V3	 aspetto uniforme uniform appearance V1	 lieve variazione slight variation V2	 moderata variazione moderate variation V3	 forte variazione substantial variation V4
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# CERTIFICAT

## DE VERIFICARE A CONSTANȚEI PERFORMANȚEI PRODUSULUI Numărul: CCP-173-2021

În conformitate cu Hotărârea de Guvern Nr. 913 din 25.07.2016 privind aprobarea Reglementării tehnice cu privire la cerințele minime pentru comercializarea produselor pentru construcții, acest certificat se aplică pentru:

**Adezivi pentru plăci ceramice,**  
**realizați industrial pe bază de ciment, pentru placări la exterior și interior.**  
**Class Inter, Class Extra alb/gri, Class Naș, Poliizol, Termocămin,**  
**Class Porțelanat alb/gri, Polifix Universal, Naș Baund.**

Produs de:

**"SUPRATEN" S.A.,**  
**str. Petricani, 84, mun. Chişinău, Republica Moldova.**

Loc de producție:

**str. Transnistria, 5/1, mun. Chişinău, Republica Moldova.**  
**str. Meşterul Manole, 9, mun. Chişinău, Republica Moldova.**

Produsele sunt supuse de către producător încercărilor inițiale de tip pentru produs și unui control al procesului de producție care cuprinde toate măsurile necesare pentru îndeplinirea și menținerea cerințelor specificate în documentele de referință. OC Certmatcon a efectuat inspecția inițială a procesului de producție, a evaluat rapoartele privind încercările de tip și va efectua supravegherea continuă a procesului de producție. Acest certificat atestă îndeplinirea prevederilor privind evaluarea și verificarea constanței performanței descrise în anexa ZA a standardului:

**SM EN 12004+A1:2014**

**Sistem: 1**

Acest certificat a fost emis prima dată la data de 12.05.2021 și va rămâne valabil până la data de 11.05.2024, atât timp cât standardul armonizat, produsul pentru construcții, metodele de evaluare a constanței performanței și condițiile de producție în fabrică nu sunt modificate esențial.

Acest certificat poate fi suspendat sau retras dacă se constată că nu se mențin condițiile în baza cărora a fost emis.



**Director General**

**Ion PUHA**

**Certificat valabil doar cu condiția vizării anuale.**





DATASHEET

# Rockfon® MediCare® Air



**Sounds Beautiful**



# Rockfon® MediCare® Air


- Specifically designed for use in pressurised healthcare environments where differential air pressure is required to prevent infection spreading eg. surgeries, recovery rooms, intensive care, etc. (compliant with HTM 10 and HTM 60). For use in operating theatres, seek client approval
- Does not contribute to the growth of MRSA, low particle emission (ISO Class 3)
- Can be cleaned with standard detergents and effectively disinfected by dry steam cleaning
- Class B sound absorption and highest fire safety (Class A1)
- Standard A-edge tile available in standard dimensions

## Product Description

- Stone wool tile
- Visible side: micro-textured white painted, water repellent fleece
- Rear side: airtight high performance membrane
- Sealed edges

## Application Areas

- Healthcare

Edge detail	Module size (mm)	Weight (kg/m <sup>2</sup> )	MS / MS easy access (mm)	Recommended installation System
 <p>A24</p>	600 x 600 x 25	2.7	50 / 100	Rockfon® System T24 A™
		2.7	50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)
	1200 x 600 x 25	2.7	50 / 100	Rockfon® System T24 A™
		2.7	50 / 100	Rockfon® System MediCare T24 A, E™ (ECR)

MS = Minimum Suspension

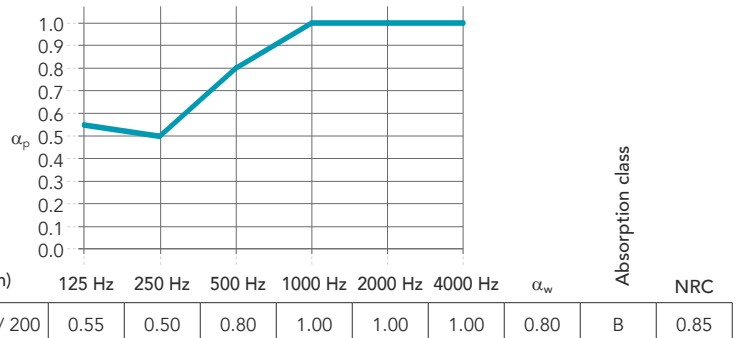




## Performance



**Sound absorption**  
 $\alpha_w$ : 0.80 (Class B)



**Reaction to fire**  
 A1



**Fire protection**  
 The fire resistant properties of stone wool ensure Rockfon ceiling tiles provide fire protection in construction. The fire protection properties of Rockfon ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms depending on requirements in national building codes.



**Light reflection**  
 85%



**Humidity and sag resistance**  
 Up to 100% RH.  
 No visible deflection in high humidity  
 C/0N



**Cleaning**

- Vacuum
- Damp cloth
- steam cleaning (twice a year)
- Chemical resistance: resistant to diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide.



**Hygiene**  
 Stone wool provides no sustenance to microorganisms  
 Microbiological class M1 fulfilling the requirements of Zone 4 (very high risk) defined by NF S 90-351:2013. Tested with:

- Methicillin Resistant Staphylococcus Aureus (MRSA)
- Candida Albicans
- Aspergillus Brasiliensis

The bactericidal and fungicidal effect of dry steam cleaning meets the requirements of NF EN 14561 (> 5 log10) and NF EN 14562 (> 4 log10), meaning the disinfection is very effective.



**Surface durability**  
 Enhanced durability and dirt resistance.



**Clean Room**  
 ISO Class 3



**Air pressure**  
 Suitable in areas where differential pressure is required. When used in combination with closed neoprene foam tape and:

- HDC 2 for the 25 mm tile; or
- HDC 7 for the 40 mm tile,

the air leakage rate of less than 0.5m<sup>3</sup>/h/ m<sup>2</sup>/Pa under a pressure range of 5 to 40 Pa is achieved. The amount of hold down clips (HDC) depends on the tile dimensions and the room size/shape. For more information please contact customer service.



**Environment**  
 Fully recyclable stone wool  
 The recycled content of Rockfon products is between 29% and 64% according to ISO 14021. Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type).



**Carbon footprint**  
 Cradle-to-Gate 2.83 kg of CO<sub>2</sub> eq. (based on third party verified EPD)  
 Cradle-to-Grave 3.74 kg of CO<sub>2</sub> eq. (based on third party verified EPD)



**Indoor environment**  
 A selection of Rockfon products have been awarded the Finnish M1 emission classification for building materials and the Danish Indoor Climate Label for low emission products





06.2023 | All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on license from NCS Colour AB, Stockholm 2012 or the RAL colour standard. Subject to alterations in range and product technology without prior notice. Rockfon accepts no responsibility for printing errors.

# Sounds Beautiful







## DECLARAȚIA DE PERFORMANȚĂ

### KCS 1.04.1

**Cod unic de identificare al produsului-tip:**

KT 1.04 (Vezi tabelul 1)

**Utilizare (utilizări) preconizată (preconizate):**

Membrana componenta tavan suspendat pentru uz intern

**Fabricant:**

Knauf Ceiling Solutions GmbH & Co. KG, Elsenthal 15, 94481 Grafenau, Germany

**Standard armonizat:**

EN 13964:2014

**Organism (organisme) notificat(e):**

0797

**Performanța declarată**

Caracteristici esențiale		Performanță	*
Reacție la foc		A2-s1,d0	1
Eliberare de formaldehidă		E1	3
Absorbție sunet	$\alpha_w$	Vezi tabelul 1	4
Conductivitatea termică	$\lambda_D$ (W/mK)	0,060	4
Durabilitate		Vezi tabelul 1	4

\* = Sistemul (sistemele) de evaluare și de verificare a constanței performanței

Performanța produsului identificat mai sus este în conformitate cu setul de performanțe declarate. Această declarație de performanță este eliberată în conformitate cu Regulamentul (UE) nr. 305/2011, pe răspunderea exclusivă a fabricantului identificat mai sus. Semnată pentru și în numele fabricantului de către:

Andreas Schiedeck  
Director Research and Development  
Knauf Ceiling Solutions GmbH & Co. KG

Grafenau, 03.04.2023



**Tabelul 1**

Numele produsului	Absorbție sunet	Durabilitate
	$\alpha_w$	
Armstrong BioGuard Plain*	0.20(L)	C
Armstrong Cortega*	0.55(H)	A
Armstrong Dune Max*	0,70	B
Armstrong Dune Supreme*	0,55	C
Armstrong Feria*	0,50	B
Armstrong Fine Fissured*	0.60(H)	C
Plain	0.20(L)	C
Armstrong Sahara*	0,60	C
Armstrong Tatra*	0.55(H)	A
AMF Thermatex Feinfresko	0.60(H)	B
AMF Thermatex Feinstratos	0,20	C
AMF Thermatex Feinstratos Hygena	0,20	C
AMF Thermatex Feinstratos Micro.	0,60	C
AMF Thermatex Feinstratos Micro. Complete	0,70	C
AMF Thermatex Fresko	0.60(H)	B
AMF Thermatex Mercure	0,60	C
AMF Thermatex Mercure Complete (15 mm, Board)	0,70	C
AMF Thermatex Mercure Complete (19 mm, Tegular 24)	0,75	C
AMF Thermatex Mercure Complete (15 mm, Tegular 24)	0,70	C
AMF Thermatex Mercure Complete (15 mm, Tegular 15)	0,70	C
AMF Thermatex Schlicht	0.20(L)	C
Star	0,60	C
Star Complete	0,70	C
AMF Thermatex Star (Scala Retail)	0,60	C
AMF Thermatex UNO - Feinstratos Micro.	0,55	B
AMF Thermatex UNO - Star	0,55	B
AMF Thermatex UNO - Vlies	0,55	B
Hygena Plain	0.20(L)	C
Hygena Schlicht	0.20(L)	C
MediGuard Plain	0.20(L)	C

\*Knauf Ceiling Solutions nu poate introduce acest produs pe piețele din Austria, Estonia, Germania, Irlanda, Italia, Letonia, Lituania, Spania, Portugalia, Turcia și Regatul Unit.



# ENVIRONMENTAL PRODUCT DECLARATION

as per ISO 14025 and EN 15804+A1

Owner of the Declaration	Rockfon (part of ROCKWOOL Group)
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-RWI-20200018-CBD5-EN
Issue date	27/11/2021
Valid to	09/03/2025



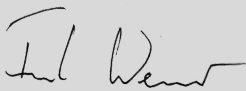
Rockfon Ceiling Tiles, Baffles, Islands and Wall Applications  
Rockfon (part of ROCKWOOL Group)

[www.ibu-epd.com](http://www.ibu-epd.com) | <https://epd-online.com>





## General Information

<p><b>Rockfon (part of ROCKWOOL Group)</b></p> <hr/> <p><b>Programme holder</b>          IBU – Institut Bauen und Umwelt e.V.          Panoramastr. 1          10178 Berlin          Germany</p> <hr/> <p><b>Declaration number</b>          EPD-RWI-20200018-CBD5-EN</p> <hr/> <p><b>This declaration is based on the product category rules:</b>          Mineral panels, 12.2018          (PCR checked and approved by the SVR)</p> <hr/> <p><b>Issue date</b>          27/11/2021</p> <hr/> <p><b>Valid to</b>          09/03/2025</p> <hr/> <div style="text-align: center;">  </div> <hr/> <p>Dipl. Ing. Hans Peters          (chairman of Institut Bauen und Umwelt e.V.)</p> <hr/> <div style="text-align: center;">  </div> <hr/> <p>Dr. Alexander Röder          (Managing Director Institut Bauen und Umwelt e.V.)</p>	<p><b>Rockfon Ceiling tiles</b></p> <hr/> <p><b>Owner of the declaration</b>          Rockfon (part of ROCKWOOL Group)          Hovedgaden 501D          2640, Hedehusene, Denmark</p> <hr/> <p><b>Declared product / declared unit</b>          1 m<sup>2</sup> of installed ceiling tile.</p> <hr/> <p><b>Scope:</b>          The span of products covered under this declaration is synthetic resin-bonded stone wool materials, which are produced in the form of tiles in the density range from 70 up to 175kg/m<sup>3</sup>. The products are supplied in thicknesses of 12 up to 160 mm. The declared product in this declaration is Rockfon Arctic with a density of 100kg/m<sup>3</sup> and a thickness of 15mm. For the rest of the products scaling factors are provided. For the facing and coating materials, information can be found in the attached Annex.</p> <p>The products included in this EPD are manufactured in Roermond (Netherlands), Cigacice (Poland), Saint Eloy (France), Vyborg (Russia) and Marshall County, Mississippi (USA). The EPD is based on weighted LCA inventory data from the 5 plants.</p> <p>The owner of the declaration shall be liable for the underlying information and evidence; the IBU shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.</p> <p>The EPD was created according to the specifications of <i>EN 15804+A1</i>. In the following, the standard will be simplified as <i>EN 15804</i>.</p> <hr/> <p><b>Verification</b></p> <table border="1" style="width: 100%;"> <tr> <td colspan="2" style="text-align: center;">The standard <i>EN 15804</i> serves as the core PCR</td> </tr> <tr> <td colspan="2" style="text-align: center;">Independent verification of the declaration and data according to <i>ISO 14025:2010</i></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/> internally</td> <td style="text-align: center;"><input checked="" type="checkbox"/> externally</td> </tr> </table> <hr/> <div style="text-align: center;">  </div> <hr/> <p>Dr. Frank Werner          (Independent verifier)</p>	The standard <i>EN 15804</i> serves as the core PCR		Independent verification of the declaration and data according to <i>ISO 14025:2010</i>		<input type="checkbox"/> internally	<input checked="" type="checkbox"/> externally
The standard <i>EN 15804</i> serves as the core PCR							
Independent verification of the declaration and data according to <i>ISO 14025:2010</i>							
<input type="checkbox"/> internally	<input checked="" type="checkbox"/> externally						

## Product

### Product description/Product definition

Rockfon stone wool acoustic tiles are traditionally made from volcanic rock (typically basalt or dolomite), an increasing proportion of recycled material, and a low percentage of binder (in Rockfon acoustic tiles this is around 3-4%). The essential component of Rockfon tiles are stone wool fibres, which are monofilament synthetic mineral fibres of non-crystalline structure extracted from a silicate melt. The products described in this EPD are produced in the form of tiles in the density range from 70 up to 175 kg/m<sup>3</sup>. The products are supplied in thicknesses of 12 up to 160 mm. The acoustic tiles can have a glass fibre fleece facing and can be coated with water-based dispersion paint. Details for the environmental impacts of this type of facing can be found on the first page of the annex. The

additional facing of aluminium laminate may be applicable for some products. The environmental impacts of aluminium laminate are presented on the second page of the annex. Product-specific environmental impacts are compiled by applying the relevant scaling factor (listed in the table below) in the Product Specific Scaling formula.

### Product Specific Scaling Formula:

Environmental Impact per m<sup>2</sup> product X-with facing = Environmental Impact reference product\*scaling factor+Environmental Impact facing material. Please note that the scaling factors give the precise amount of material needed to produce the other product types.



Product Name	Scaling Factor	Product Name	Scaling Factor	Product Name	Scaling Factor	Product Name	Scaling Factor
Artic (15 mm) - reference product	1,0	Cosmos Grey/White (50 mm)	3,3	Koral E (15 mm)	1,2	Rockindus (30 mm)	1,4
Acoushness	4,3	Cosmos Grey (60 mm)	4,0	Koral E (40 mm) and El 30	3,2	Rockindus (50 mm)	2,3
Alaska (20 mm)	2,0	Cosmos Grey (80 mm)	5,3	Koral 100 mm	4,7	Rockindus dB 40	3,0
Alaska (22 mm)	2,2	Cosmos Grey (100 mm)	6,7	Koral Flectoline	1,2	Rockindus dB 42	4,0
Alaska dB 35	2,0	Eclipse (incl. Wall)	4,0	Koral Tenor (15 mm)	0,9	Rockklux	2,2
Artic (20 mm)	1,3	Ekla (80 kg/m <sup>3</sup> )	1,2	Koral Tenor (25 mm)	1,2	Rockshed (60 mm)	2,2
Artic (40 mm)	2,7	Ekla (120 kg/m <sup>3</sup> )	1,6	Koral Wall	1,9	Rockshed (75 mm)	3,3
Blanka A (20 mm)	1,2	Ekla Bas	1,3	Krios A (20 mm)	1,1	Royal A (< 20 mm)	1,1
Blanka A (25 mm)	1,5	Ekla dB 41	3,5	Krios A (25 mm)	1,3	Royal A (25 mm)	1,3
Blanka B/C/D/E/G/M/Z (20 mm)	2,0	Ekla dB 43	4,4	Krios D (20 mm)	2,0	Royal E (15 mm)	1,2
Blanka B/C/D/E/G/M/X (25 mm)	2,5	Ekla Th 40	1,7	Krios D (25 mm)	2,5	Royal E (20 mm)	1,6
Blanka X (22 mm)	2,2	Ekla Th 80	3,3	Krios E (20 mm)	1,6	Royal Hygiene (20 mm)	1,1
Blanka Activity	4,0	Facett (20 mm)	1,2	Krios X (22 mm)	2,2	Royal Hygiene (40 mm)	1,9
Blanka Bas	2,0	Facett (40 mm)	2,4	Krios X (25 mm)	2,5	Samson (incl. Wall)	2,4
Blanka dB 35	2,0	Facett (50 mm)	3,0	Krios Bas	1,1	Scholar (20 mm)	1,2
Blanka dB 41	3,5	Facett (60 mm)	3,6	Krios C2	1,3	Scholar (incl. Wall) (40 mm)	2,4
Blanka dB 43	4,4	Facett (80 mm)	4,8	Ligna	1,1	Soft New	0,9
Blanka dB 45	5,0	Facett (100 mm)	6,0	Lithos New	1,2	Sonar A/B/C/D/E/G/M/Z (20 mm)	2,0
Boxer (25 mm)	1,3	Facett (120 mm)	7,2	Logic	0,8	Sonar A/D/E/M/X (25 mm)	2,5
Boxer (40 mm CIG)	2,4	Facett (140 mm)	8,4	MediCare Air	1,5	Sonar X (22 mm)	2,2
Boxer (40 mm ROE & SEL)	1,9	Facett (160 mm)	9,6	MediCare Block	1,3	Sonar Activity	4,0
Boxer Wall	2,4	Fibrat (20 mm)	1,1	MediCare Plus A (20 mm)	1,2	Sonar Bas	2,0
Rockfon CleanSpace® Essential (12 mm)	0,8	Fibrat (25 mm)	1,3	MediCare Plus A (25 mm)	1,5	Sonar Cut-to	2,5
Rockfon CleanSpace® Essential (20 mm)	1,1	Fibrat Multiflex Baffle	2,3	MediCare Plus E (20 mm)	1,6	Sonar dB 35	2,0
Rockfon CleanSpace® Essential (25 mm)	1,3	Fusion Blanka/Sonar	2,0	MediCare Plus X	2,2	Sonar dB 40	3,0
Rockfon CleanSpace® Pro A (20mm)	1,2	Humitec Baffle	2,3	MediCare Royal A (20 mm)	1,1	Sonar dB 41	3,5
Rockfon CleanSpace® Pro A (40mm)	1,9	Hydroclean 1252	1,1	MediCare Royal E (20 mm)	1,6	Sonar dB 42/43	4,4
Rockfon CleanSpace® Pro E (20mm)	1,6	Hygienic (20 mm)	1,2	MediCare Standard A (15 mm)	0,9	Sonar dB 44/46	5,0
Rockfon CleanSpace® Pure A (20mm)	1,2	Hygienic (40 mm)	1,9	MediCare Standard E (15 mm)	1,2	Soundstop 30 dB	4,4
Rockfon CleanSpace® Pure A (40mm)	2,4	Hygienic Baffle	2,3	Mono Acoustic Elegant / Ready-Mix (incl. Direct and Flecto)	3,6	Soundstop 21 dB	3,0
Rockfon CleanSpace® Pure E (20mm)	1,6	Hygienic Plus (20 mm)	1,2	Opal Multiflex Baffle	2,3	Soundstop 33 dB	4,8
Rockfon CleanSpace® Pure X (22mm)	2,2	Hygienic Plus (40 mm)	1,9	Pacific	1,0	Swing	1,6
Rockfon CleanSpace® Block	1,3	Industrial Baffle	2,3	Pagos Galaxie / Cris	1,1	Tabique Plenum	
Cinema Black	1,2	Industrial Black/Nature/Opal (30 mm)	1,4	Pallas	1,1	Tropic A (15 mm)	0,9
Color-all (< 20 mm)	1,2	Industrial Black/Nature/Opal (50 mm)	2,3	Pallas HP	1,3	Tropic A (20 mm)	1,4
Color-all (25 mm)	1,3	Industrial Black/Nature/Opal (100 mm)	3,7	Plafolaine Feu	2,0	Tropic A (40 mm)	1,9
Color-all A (40 mm)	1,9	Industrial Black/Nature/Opal (100 mm)	4,7	Plafolaine Feu	3,6	Tropic E (15 mm)	1,2
Color-all B (40 mm)	4,0	Industriebatts (25 mm)	1,2	Rockbaffle Deco	1,7	Tropic E (20 mm)	1,6
Color-all DE	2,0	Industriebatts (50 mm)	2,3	Rockfon Metal	0,9	Tropic dB 42	4,4
Color-all X	2,2	Koral A (15 mm)	0,9	Rockfon Metal dB 41	3,0	Universal Baffle	2,3
Color-All Wall	1,9	Koral A (20 mm)	1,2	Rockfon Metal dB 44	4,0	VertiQ	3,2
Contour	4,0	Koral A (40 mm)	1,9	Rockfon Metal dB 46	5,0	VertiQ Metal	1,7
Cosmos Grey/White (40 mm)	2,7						

For the placing on the market of the product in the European Union/European Free Trade Association (EU/EFTA) (with the exception of Switzerland) Regulation (EU) No. 305/2011 (CPR) applies. The product needs a declaration of performance taking into consideration EN 13964:2014 or EN 13162+A1:2015 and the CE-marking.

For the application and use the respective national provisions apply. They meet the requirements of the regulation (EU) Nr. 1272/2008/EU.

#### Application

Rockfon products include acoustic ceiling tiles, baffles, islands and wall applications. They are available with different coatings and facings in a variety of shapes, thicknesses, and densities and positively contribute to a healthy indoor environment.

#### Technical Data

The technical specifications listed below cover the range of all the products declared in this EPD. For information regarding specific products please visit <https://www.rockfon.co.uk> and access the provided Declarations of Performance (DoP).

#### Constructional data (acc. to EN 13964)

Name	Value	Unit
Gross density	70 - 175	kg/m <sup>3</sup>
Reaction to Fire acc. to EN 13964	A1	
Sound absorption coefficient (aw) acc. to EN 13964	up to 1.00	
Susceptibility to the growth of harmful micro-organisms, as dampness acc. to EN 13964	A - not susceptible	
Thermal conductivity acc. to EN 13964	0.04	W/(mK)
Susceptibility to the growth of harmful micro-organisms, through thermal insulation acc. to EN 13964	A	
Durability acc. to EN 13964	Class 1/C/0N	

Sound absorption class	A	
Light reflection	up to 87%	%
Light diffusion	up to >99%	%
Humidity and sag resistance	up to 100% RH and no visible deflection	%
Airborne sound reduction acc. to EN ISO 10848-2 and EN ISO 717-1	up to 42	dB

Performance data of the Rockfon stone wool products are in accordance with the declaration of performance with respect to its essential characteristics according to EN 13964:2014.

Emission tests according to EN 16516:2018 are available from national technical managers.

#### Base materials/Ancillary materials

Composition Rockfon stone wool product:

- non-scarce natural stone and cement [59%]
- slags and other secondary materials or waste materials [19,5%]
- mineral oil and bonding agent [<0,2%]
- binder, a thermoset inert polymer resin [5%]
- Non-woven glass wool facing (optional) [1-15%]
- water-based paints [0-16,5%]



Packaging represents less than 6% of the final product delivered to the customer. The raw materials are non-scarce natural stones, secondary materials and briquettes, which are made of mineral wool waste, secondary materials and by-products from other industries such as slags and cement. The binder is a thermoset inert polymer resin which is polymerized into a solid resin during the production of the final stone wool product. The coating is a waterborne acrylic coating and an additional (optional) polyurethane (PU) coating.

This product/article/at least one partial article contains substances listed in the candidate list (ECHA PR/19/12) (date: 16.07.2019) exceeding 0.1 percentage by mass: **no**

Mineral wool fibres produced by ROCKWOOL are classified as non-hazardous under REACH (Regulation (EC) No 1272/2008 of the European Parliament and of the council of 16 December 2008 on classification, labelling and packaging of substances and mixtures). ROCKWOOL stone wool is registered with REACH under the following definition: "Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the Note Q conditions". ROCKWOOL products produced in Europe fulfil the Note Q requirements. This is certified by the independent certification body EUCEB. (European Certification Board for mineral wool

products). More information on EUCEB can be found under [www.euceb.org](http://www.euceb.org).

#### Reference service life

A reference service life according to ISO 15686 is not declared for this EPD. Instead, a service life is declared according to BBSR table. According to this table, mineral panels have a service life of more than 50 years in a building. For this EPD the declared value is therefore 50 years.

This is the service life that is used in most existing PCRs and EPDs in the Dutch, German, US and Canadian markets. The mineral wool core in Rockfon products is tested to maintain its properties for at least 50 years. Also, Rockfon products are tested to maintain flatness even in high temperature/ high humidity environments (40°C / 95 % relative humidity). Given this, there is no doubt that Rockfon ceiling tiles could have a technical lifespan of more than 50 years in a normal indoor environment.

Some owners will replace the Rockfon product due to renovations or aesthetics, but not for functional performance reasons. Replacements typically do not happen due to technical failure but are more likely the result of vandalism, accidents, visual appearance, minor refurbishments (e.g. painting an office, changing of tenants) or major refurbishments.

## LCA: Calculation rules

### Declared Unit

The declared unit refers to 1 m<sup>2</sup> of installed acoustic ceiling tile or wall panel (within the density range 70 – 175 kg/m<sup>3</sup>) with the results being representative for a 15 mm thick and 1,5 kg/m<sup>2</sup> heavy product. This weight per m<sup>2</sup> is applicable for the stone wool core without the facing. The declared product is Rockfon Arctic with a density of 100kg/m<sup>3</sup> and a thickness of 15 mm.

### Declared unit

Name	Value	Unit
Declared unit	1	m <sup>2</sup>
Grammage	1.5	kg/m <sup>2</sup>
Thickness of the panels	15	mm
Conversion factor to 1 kg	0.667	-
conversion factor [Mass/Declared Unit]	-	-
conversion factor [Mass/Declared Unit]	-	-
Gross density	-	kg/m <sup>3</sup>

### System boundary

EPD type: **Cradle to gate with options, modules C1–C4, and module D.**

The modules considered in the life cycle assessment as per system boundaries are described as follows:

### Production

The product stage A1-A3 includes:

- Provision of preliminary products and energy and relevant upstream processes;
- Transporting the raw materials and preliminary materials to ROCKWOOL production facilities;

- Production process in the ROCKWOOL production facilities including energy inputs and emissions;
- Electricity consumption;
- Waste processing up to the end-of-waste state or disposal of waste residues, during the production stage;
- Production of packaging material;
- Manufacturing of products and co-product.

The environmental impact of co-products coming for example from the steel and electricity plants (e.g. slags, alumina and ashes entering the system as inputs to the manufacturing) is accounted for and economic allocation is applied.

Recycled stone wool comes free of environmental burden, as it enters the product system as waste. Its transport to the factory is accounted for. Modules A1, A2 and A3 are declared as an aggregated module A1-A3.

In two of the factories (Cigacice in Poland and Roermond in the Netherlands) we obtain Renewable Energy Certificates for the complete electricity consumption. For that purpose the electricity in those factories is modelled as renewable electricity.

### Construction/Installation

The Construction Stage A4-A5 includes:

- A4 transport to the building site
- A5 installation to the building



The transport in A4 is modelled based on the amount of tiles that fit in a truck that can hold 44 pallets. The values are based on annual average delivery data. In A5 the default installation is assumed to be manual, therefore no energy consumption or ancillary equipment is needed.

The product waste from installation is assumed to be 7% and according to the modularity principle of EN 15804, its impacts are fully allocated to A5. The 7% assumption is used based on the "common scenarios for LCA" internal document from EURIMA (European Insulation Manufacturers Association) but can, in reality, be significantly lower.

The A5 stage, according to EN 15804 includes also waste processing up to the end-of-waste state or disposal of final residues during the construction process stage and impacts and aspects related to product losses during installation. Finally, the A5 module includes also the corresponding end-of-life considerations for packaging. The assumption for installation waste for this calculation is that it is 100% landfilled but it often also is 100% closed-loop recycled through the Rockfon recycling service offering.

### Building Use

The use-stage B1-B7, related to the building fabric includes:

- B1 use or application of the installed product - not part of this EPD;
- B2 maintenance;
- B3 repair;
- B4 replacement;
- B5 refurbishment;
- B6 – Operational energy use:

- B7 – Operational water use:

Rockfon stone wool ceiling tiles are installed permanently in the structure and do not require maintenance, repair, replacement or refurbishment under normal use conditions. Similarly, Rockfon has no operational energy or water use.

### End of Life

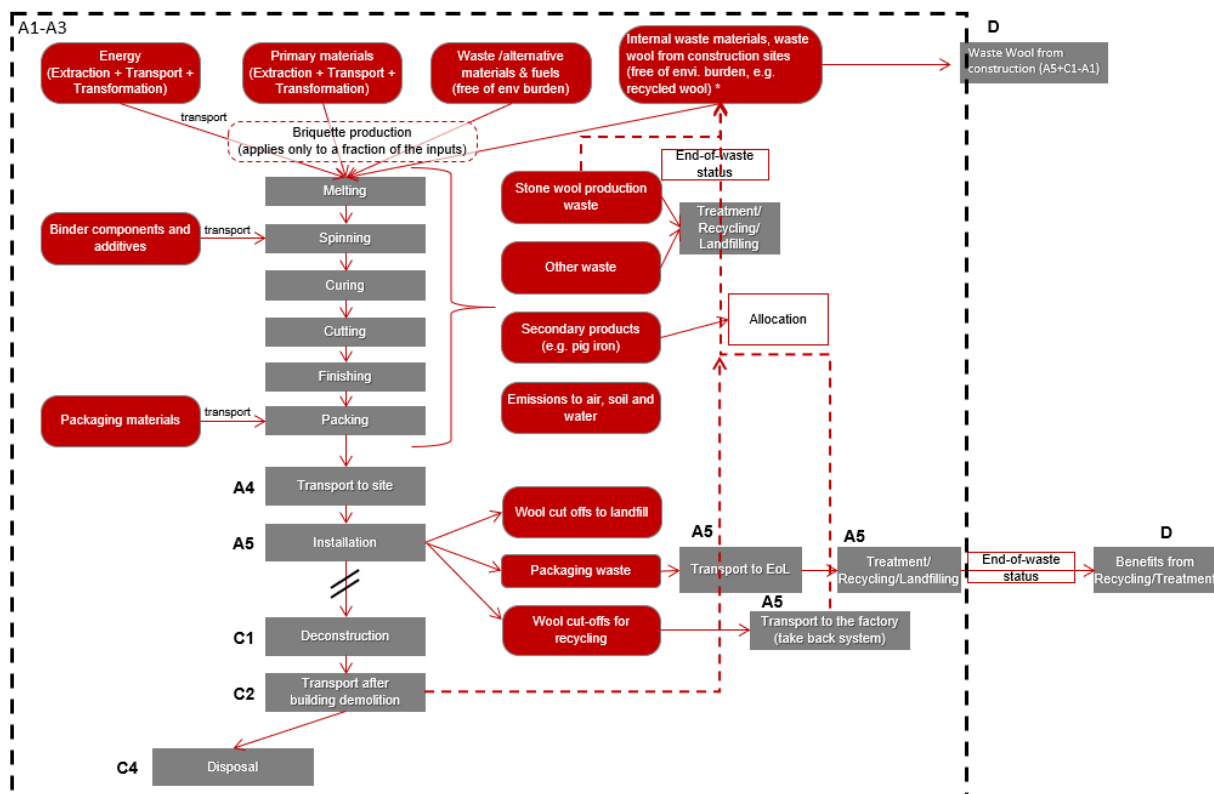
The End-of-life stage C1-C4 includes:

- C1 de-construction, demolition;
- C2 transport to waste processing;
- C3 waste processing for reuse, recovery and/or recycling;
- C4 disposal.

These stages also include the provision and all transport, provision of all materials, products and related energy and water use. Manual deconstruction is assumed for C1 and no impacts are assigned. The benefits from disposal (heat or electricity recovery) are assigned to module D.

Module D includes reuse, recovery and/or recycling potentials expressed as net loads and benefits. Here the loads from the packaging disposal in A5 and from electricity generation on landfill are considered.

The product system with the system boundaries is presented in the graph below:



### Comparability

Basically, a comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to EN 15804 and the building

context, respectively the product-specific characteristics of performance, are taken into account.

The used background datasets and database version have to be mentioned since they can have an influence



## LCA: Scenarios and additional technical information

The following technical information for the declared modules can be used for scenario development in a building context.

### Transport to the building site (A4)

Name	Value	Unit
Litres of fuel	38	l/100km
Transport distance	646	km
Capacity utilisation (including empty runs)	85	%
Gross density of products transported	100	kg/m <sup>3</sup>

### Installation into the building (A5)

Name	Value	Unit
Electricity consumption	0	kWh
Material loss	7	%

### Reference service life

Name	Value	Unit
Life Span (according to BBSR)	> 50	a

### End of life (C1-C4)

Name	Value	Unit
Landfilling	15	kg
Transport to landfill	50	km
Utilization rate	50	%

### Reuse, recovery and/or recycling potentials (D), relevant scenario information

Any declared benefits and loads from net flows leaving the product system that have not been allocated as co-products and that have passed the end-of-waste state are included in module D. Such declared benefits can occur in stages A5 and C4. The generated energy, such as heat and electricity from waste incineration of packaging is assigned to module D. The benefits are calculated using current average substitution processes. The heat is credited for with heat from natural gas. The electricity is credited for with the specific country's electricity mix. This is also applied for materials that are landfilled as the benefits from electricity production from landfill gas recovery are included in module D.



## LCA: Results

DESCRIPTION OF THE SYSTEM BOUNDARY (X = INCLUDED IN LCA; MND = MODULE NOT DECLARED; MNR = MODULE NOT RELEVANT)

PRODUCT STAGE			CONSTRUCTION PROCESS STAGE		USE STAGE								END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES
Raw material supply	Transport	Manufacturing	Transport from the gate to the site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential	
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	
X	X	X	X	X	MND	X	MNR	MNR	MNR	X	X	X	X	X	X	X	

RESULTS OF THE LCA - ENVIRONMENTAL IMPACT according to EN 15804+A1: 1 m<sup>2</sup> of Rockfon ceiling tile

Parameter	Unit	A1-A3	A4	A5	B2	B6	B7	C1	C2	C3	C4	D
GWP	[kg CO <sub>2</sub> -Eq.]	1.32E+0	2.21E-1	2.58E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	4.79E-3	0.00E+0	2.16E-2	-6.97E-2
ODP	[kg CFC11-Eq.]	2.65E-9	3.66E-17	3.94E-10	0.00E+0	0.00E+0	0.00E+0	0.00E+0	7.93E-19	0.00E+0	1.26E-16	-1.34E-14
AP	[kg SO <sub>2</sub> -Eq.]	7.60E-3	1.87E-4	5.81E-4	0.00E+0	0.00E+0	0.00E+0	0.00E+0	4.38E-6	0.00E+0	1.30E-4	-1.85E-4
EP	[kg (PO <sub>4</sub> ) <sup>3</sup> -Eq.]	1.17E-3	4.13E-5	1.02E-4	0.00E+0	0.00E+0	0.00E+0	0.00E+0	9.89E-7	0.00E+0	1.47E-5	-1.80E-5
POCP	[kg ethene-Eq.]	5.45E-4	7.02E-7	4.50E-5	0.00E+0	0.00E+0	0.00E+0	0.00E+0	-1.26E-7	0.00E+0	9.96E-6	-1.79E-5
ADPE	[kg Sb-Eq.]	5.26E-7	1.71E-8	3.55E-8	0.00E+0	0.00E+0	0.00E+0	0.00E+0	3.70E-10	0.00E+0	7.96E-9	-2.12E-8
ADPF	[MJ]	1.56E+1	3.01E+0	1.40E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	6.51E-2	0.00E+0	3.03E-1	-1.42E+0

Caption GWP = Global warming potential; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential of land and water; EP = Eutrophication potential; POCP = Formation potential of tropospheric ozone photochemical oxidants; ADPE = Abiotic depletion potential for non-fossil resources; ADPF = Abiotic depletion potential for fossil resources

RESULTS OF THE LCA - INDICATORS TO DESCRIBE RESOURCE USE according to EN 15804+A1: 1 m<sup>2</sup> of Rockfon ceiling tile

Parameter	Unit	A1-A3	A4	A5	B2	B6	B7	C1	C2	C3	C4	D
PERE	[MJ]	3.40E+0	1.75E-1	2.05E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	3.79E-3	0.00E+0	3.97E-2	-2.06E-1
PERM	[MJ]	2.20E+0	0.00E+0	1.63E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
PERT	[MJ]	5.60E+0	1.75E-1	4.22E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	3.79E-3	0.00E+0	3.97E-2	-2.06E-1
PENRE	[MJ]	1.53E+0	3.02E+0	1.58E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	6.53E-2	0.00E+0	3.14E-1	-1.53E+0
PENRM	[MJ]	2.27E+0	0.00E+0	-2.27E-2	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
PENRT	[MJ]	1.76E+0	3.02E+0	1.56E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	6.53E-2	0.00E+0	3.14E-1	-1.53E+0
SM	[kg]	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
RSF	[MJ]	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
NRSF	[MJ]	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
FW	[m <sup>3</sup> ]	6.19E-3	2.96E-4	8.11E-4	0.00E+0	0.00E+0	0.00E+0	0.00E+0	6.40E-6	0.00E+0	7.90E-5	-4.23E-4

Caption PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

RESULTS OF THE LCA – WASTE CATEGORIES AND OUTPUT FLOWS according to EN 15804+A1: 1 m<sup>2</sup> of Rockfon ceiling tile

Parameter	Unit	A1-A3	A4	A5	B2	B6	B7	C1	C2	C3	C4	D
HWD	[kg]	3.59E-7	1.68E-7	3.77E-8	0.00E+0	0.00E+0	0.00E+0	0.00E+0	3.65E-9	0.00E+0	5.35E-9	-1.70E-9
NHWD	[kg]	1.20E-1	2.45E-4	1.17E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	5.31E-6	0.00E+0	1.46E+0	-8.99E-4
RWD	[kg]	7.41E-4	4.09E-6	5.91E-5	0.00E+0	0.00E+0	0.00E+0	0.00E+0	8.86E-8	0.00E+0	4.21E-6	-2.70E-5
CRU	[kg]	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
MFR	[kg]	0.00E+0	0.00E+0	3.42E-2	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	4.05E-2	0.00E+0	0.00E+0
MER	[kg]	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
EEE	[MJ]	0.00E+0	0.00E+0	1.53E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
EET	[MJ]	0.00E+0	0.00E+0	4.60E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0

Caption HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy

Disclaimer 1 – for the indicator “Potential Human exposure efficiency relative to U235”.

This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

Disclaimer 2 – for the indicators “abiotic depletion potential for non-fossil resources”, “abiotic depletion potential for fossil resources”, “water (user) deprivation potential, deprivation-weighted water consumption”, “potential



comparative toxic unit for ecosystems”, “potential comparative toxic unit for humans – cancerogenic”, “Potential comparative toxic unit for humans - not cancerogenic”, “potential soil quality index”.  
The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

## References

### **BBSR**

BBSR table "Service lives of components for life cycle assessment according to BNB", available via <http://www.nachhaltigesbauen.de/baustoff-und-gebaeuedaten/nutzungsdauern-von-bauteilen.html>.

### **ECHA PR/19/12**

The Candidate List of substances of very high concern, available via <https://echa.europa.eu/nl/-/four-news-substances-added-to-the-candidate-list>, accessed October 2019

### **EN ISO 717-1**

EN ISO 717-1:2013, Acoustics — Rating of sound insulation in buildings and of building elements — Part 1: Airborne sound insulation

### **EN ISO 10848-2**

EN ISO 10848-2:2017, Acoustics — Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms— Part 2: Application to Type B elements when the junction has a small influence

### **EN 13162**

EN 13162:2008, Thermal insulation products for buildings. Factory made mineral wool (MW) products. Specification

### **EN 13964**

EN 13964:2014, Suspended ceilings. Requirements and test methods

### **EN 16516**

EN 16516:2018, Construction products - Assessment of release of dangerous substances - Determination of emissions into indoor air

### **EUCEB**

Website of European Certification Board for mineral wool products: <http://www.euceb.org/> [Accessed: July 2019].

### **GaBi ts**

Leinfelden - Echterdingen GaBi Software - System and

Database for Life cycle Engineering. Thinkstep AG, LBP, University of Stuttgart and PE. Program version 8.0.1.257, database schema 8006 International, 2011.

### **GaBi-Dokumentation**

Thinkstep AG: GaBi 6 life cycle inventory data documentation, 2018.  
<http://www.gabisoftware.com/support/gabi/gabi-6-licidocumentation> [Accessed: July 2019].

### **ISO 15686 1-11**

Series of standards for service life planning.

### **IBU PCR - Part A**

Calculation rules for the Life Cycle Assessment and Requirements on the Background Report, version 1.6, Institut Bauen und Umwelt e.V., [www.bau-umwelt.com](http://www.bau-umwelt.com), July 2019.

### **IBU 2017, PCR, Part B**

PCR- Part B: Requirements on the EPD for mineral insulating products, Institut Bauen und Umwelt e.V., [www.bau-umwelt.com](http://www.bau-umwelt.com), December 2018.

### **Regulation (EC) No 305/2011 CPR**

Regulation (EC) No 305/2011 of the European Parliament and of the council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC. Available at: <https://eurlex.europa.eu/legalcontent/EN/TXT/?uri=celex%3A32011R0305>.

### **Regulation (EC) No 1272/2008 - REACH**

Regulation (EC) No 1272/2008 of the European Parliament and of the council of 16 December 2008 on classification, labeling and packaging of substances and mixtures. Available at: <https://eurlex.europa.eu/legalcontent/EN/TXT/?uri=celex:32008R1272> [Accessed: July 2019].



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ORGANISMUL DE CERTIFICARE „CONTROLCONSTRUCT”  
**CERTIFICAT DE CONFORMITATE**



Nr. de înregistrare **OCpr - 044 13 C000724-20**

Data emiterii: 04 iunie 2020

Valabil pînă la: 31 decembrie 2020

ORGANISMUL DE CERTIFICARE Nr. OCpr-044  
OC "CONTROLCONSTRUCT" S.R.L.

MD-3121, mun. Bălți, str. Ștefan cel Mare, 170 tel.: (231) 9-36-25

PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL, CĂ PRODUSELE IDENTIFICATE ASTFEL:  
DENUMIREA / DESCRIEREA

Plăci de carton din ipsos obișnuite ГКП-A-НСЛК 2500x1200x9,5mm,  
ГКП-A-НСЛК-2500x1200x12,5 mm

Codul NM MD  
6809

Plăci de carton din ipsos cu rezistența la umezeală

ГКПВ-Н2-НСЛК-2500x1200x9,5 mm,

ГКПВ-Н2-НСЛК-2500x1200x12,5 mm

Plăci de carton din ipsos rezistente la ardere

ГКПО-DF-НСЛК-2500x1200x12,5 mm

Contract nr. K7/157/19 din 27.12.2019

SÎNT CONFORME CU CERINȚELE OBLIGATORII STABILITE ÎN

GOST 6266-97 "Листы гипсокартонные" p.p. 5.2.1; 5.2.3; 5.2.5 (ANULAT)

Reglementarea Tehnică în bază HG RM nr. 913 din 25.07.2016; RNI 06.5.3.35

PRODUCĂTOR

„KNAUF-GIPS DONBASS” SRL or. Soledar, str. Volodarschi, 1, Ucraina

SOLICITANT

ÎCS „KNAUF GIPS” SRL tel./fax: (0231) 2-24-39 m. Bălți, str. Ștefan Cel Mare, 178

Codul țării  
UA

Codul IDNO  
10026000558

CERTIFICATUL ESTE ELIBERAT ÎN BAZA

Raportelor de încercări Nr. 55-1,55-2,55-3,55-4,55-5 din 02.06.2020

LÎ ICȘP "INMACOMPROIECT" SRL

Certificat de acreditare Nr. LÎ - 095 din 25.06.1996 data expirării 15.10.2020

Raportului de încercări Nr. 2307-C din 29.05.2020 LÎ ÎS "CMAO" m. Chișinău

Certificat de acreditare Nr. LÎ - 086 din 28.07.1993 data expirării 03.09.2020

Raportul rezultatelor evaluării nr. 617 din 03.06.2020

INFORMAȚIE SUPLIMENTARĂ:

Sistemul de certificare 3+ Lot de produs Dosar nr. 617

Evaluarea periodică se efectuează o dată la șase luni de către OC „Controlconstruct” S.R.L.

Titularul prezentului certificat este obligat să aplice marea națională de conformitate SM pe produsele specificate în prezentul certificat



Conducătorul organismului  
de certificare

Metilica V.

Seria B 000724

**În atenția antreprenorilor și organelor de control!**  
Copiile certificatelor de conformitate se legalizează în modul stabilit de  
organismul de certificare „Controlconstruct”



## PRODUCT SUSTAINABILITY DECLARATION

**Rockfon® MediCare® Air****Our sustainable commitment**

---

Sustainability sits at the heart of our research and development. It's why we use natural stone, constantly reduce our carbon footprint and recycle as part of circular economy.

Our noise absorbing ceiling and wall systems are a fast and simple way to create beautiful, comfortable spaces. Easy to install and durable, they protect people from noise and the spread of fire while making a constructive contribution toward a sustainable future.

**Content**

---

**In this declaration you will find product specific information on the following:**

1. Contribution to the major building rating schemes
2. Our approach to responsible sourcing of raw materials
3. Recycled content
4. Recycling of product in the end of life
5. Where you can find our third-party verified EPD
6. Health and safety of stone wool fibers
7. Compliance with REACH
8. Our corporate sustainability reporting from ROCKWOOL Group
9. Availability of indoor low emission labels
10. Availability of ISO certificates for manufacturing
11. Information on material content



## Contribution to building rating schemes

### LEED® version 4.1

Integrative Process (IP)	Max credits
- Integrative process	1 point
Materials and resources (MR)	Max credits
- Building Life-Cycle Impact Reduction	1 point
- Building product disclosure and optimization	
- Environmental Product Declarations	1 point
- Building product disclosure and optimization	
- Sourcing of Raw Materials	2 points
- Building product disclosure and optimization	
- Material Ingredients	2 points
- Construction and Demolition Waste Management	2 points
Indoor Environmental Quality (EQ)	Max credits
- Low-emitting materials	3 points
- Indoor Air Quality assessment	2 points
- Interior lighting	1 point
- Acoustic performance	1 point
Innovation (IN)	Max credits
- Innovation	5 points

### WELL Building Standard™ version 2

Air Concept	Max credits
- A01: Air Quality	n/a - Precondition
- A04: Construction pollution management	n/a - Precondition
- A05: Enhanced Air Quality	1 point
Water Concept	Max credits
- W07: Moisture Management	1 point
Light Concept	Max credits
- L01: Light Exposure (indirect)	n/a – Precondition
- L02: Visual Lighting Design (indirect)	n/a – Precondition
- L06: Daylight Simulation (indirect)	2 points
- L07: Visual Balance (indirect)	1 point
Thermal Comfort	Max credits
- T01: Thermal Performance	n/a – Precondition
- T07: Humidity Control	1 point
Sound Concept	Max credits
- S02: Maximum Noise Levels	3 points
- S03: Sound Barriers	3 points
- S04: Reverberation Time	2 points
- S05: Sound Reducing Surfaces	2 points
- S06: Minimum Background Sound	1 point
Material Concept	Max credits
- X01 Material Restrictions	n/a – Precondition
- X05 Enhanced Material Restrictions	1 point
- X06 VOC Restrictions	2 points
- X08 Materials Optimization	2 points
Mind Concept	Max credits
- M02 Nature and Space	n/a – Precondition
- M07 Restorative Spaces	1 point
Innovation Concept	Max credits
- I01 Innovate WELL max	10 points

### BREEAM® International (New Construction 2016)

Management	Max credits
- MAN 02: Life cycle cost and service life planning	1 credit
Health and Well-Being (HEA)	Max credits
- HEA 01: Visual Comfort	4 credits
- HEA 02: Indoor Air Quality	1 credit
- HEA 04: Thermal Comfort	2 credits
- HEA 05: Acoustic Performance	4 credits
Materials (MAT)	Max credits
- Mat 01: Life cycle impacts	1 credit
- Mat 03: Responsible sourcing of construction products	4 credits
- Mat 06: Material efficiency	1 credit
Waste (WST)	Max credits
- WST 01: Construction waste management	3 credits
- WST 06: Functional adaptability	1 credit
Innovation (INN)	Max credits
- INN 01: Innovation	10 credits

### DGNB 2020 INTERNATIONAL – New Buildings

Environmental Quality (ENV)	Max credits
- ENV 1.1: Building Life Cycle Assessment	9.5%
- ENV 1.2: Local environmental impact	4.7%
- ENV 1.3: Sustainable resource extraction	2.4%
Economic Quality (ECO)	Max credits
- ECO 1.1: Building Related Costs	12.9%
- ECO 2.1: Flexibility and adaptability	9.6%
Sociocultural and functional quality (SOC)	Max credits
- SOC 1.1: Thermal comfort	4.5%
- SOC 1.2: Indoor air quality	5.4%
- SOC 1.3: Acoustic comfort	2.9%
- SOC 1.4: Visual comfort	3.4%
- SOC 1.6: Quality of indoor and outdoor spaces	5.4%
Technical Quality (TEC)	Max credits
- TEC 1.1: Fire safety	2.9%
- TEC 1.2: Sound insulation	2.3%
- TEC 1.5: Ease of cleaning building components	1.8%
- TEC 1.6: Ease of recovery and recycling	3.5%
Process Quality (PRO)	Max credits
- PRO 1.5: Documentation for sustainable management	1.1%
- PRO 2.1: Construction site / construction process	1.6%

The points or credits gained in each scheme are not solely dependent upon the performance of Rockfon products. Rockfon products merely help towards the goal of achieving the credits or points but they are not a stand alone element. The final credits earned depend on various elements, components and overall building performance. Rockfon shall not guarantee or be held liable for non-fulfilment of the credits which can include a broader assessment of construction products and building elements. The credits or points in each scheme are the result of internal evaluation.





## Life cycle and environmental certifications

### Sourcing of raw materials

#### Recycled content

The recycled content of the mineral wool core in Rockfon products is >40%. Including facings (paint and glass fleeces) the recycled content of the full product is between 29% and 64% according to ISO 14021.

The recycled content is primarily post-industrial/pre-consumer resulting from upcycling waste from other industries, that would otherwise be sent to landfill. Wool waste from end of life recycling, installation cut-offs and manufacturing (e.g. as part of briquettes) is also included.

The information provided under recycled content is self-declared.

#### Responsible sourcing

>90% of all suppliers identified as key suppliers to the ROCKWOOL Group have currently signed the ROCKWOOL Code of Conduct for Suppliers.

The ROCKWOOL Code of Conduct addresses laws and standards compliance, equal opportunities, trade union recognition, fair employment, safe and healthy working conditions, no child labour, sound environmental principles, purchasing ethics and bribery.

### Environmental Product Declarations and Carbon Footprint

Our EPD covers our full portfolio and it is third party verified according to EN 15804. It is available in our website and also in external databases, like IBU (Institut Bauen und Umwelt), EPD Norge, INIES and UL. In order to get product specific information, please use the product scaling formula in the EPD or get in touch with our local support team.

The carbon footprint (kg of CO<sub>2</sub> eq.) of the product, from cradle to gate is given in this declaration in the Performance section below. The carbon footprint value derives from the third party verified Rockfon EPD with the application of the product scaling formula and the impact of the facing.

#### Cradle to Cradle Certified®

Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze. The certification covers most of the products in our portfolio. Cradle to Cradle Certified® Product Standard is a globally recognized measure to create safer, more sustainable products made for circular economy.



*\* According to the information provided by such third party manufacturers, who have been carefully selected by Rockfon, the products delivered by said third party suppliers fulfil the content requirements stated in the above schemes. Rockfon however accepts no liability should such information provided prove to be incorrect.*



## Product health

### Low emitting materials

This product is certified for low emissions. Laboratories employed by Rockfon are accredited under ISO/IEC 17025 for the applied test methods. Please consult the table in the final page to see which low emission labels are available for the product.

### Safe raw materials

#### Material ingredients

Rockfon materials are regularly screened against BREEAM Norway A20 list and the REACH candidate list; biocides/pesticide, flame retardants, azo dyes, nitrosamines and aromatic amines, halogenated compounds, nanomaterials, plastic softeners, surfactants and classified substances, among others, by an independent third party (Alttox Ltd).

Rockfon products comply with the Authorization List – Annex XIV, the Restriction list – Annex XVII and the SVHC candidate list, (June 2013). No substances listed in Annex XIV and Annex XVII of REACH regulation\* are intentionally added to the products included in this declaration". Rockfon ceiling tiles do not contain substances of very high concern (SVHC) in concentrations >0.01% (100 ppm).

The general cut off concentrations is 1000 ppm for external raw material suppliers. But for the stone wool core material the inventory threshold is 100 ppm (0.01%).

#### Health and fibres

The Rockfon stone wool fibers are a non-hazardous material to work with. This fact is supported by the decision of the World Health Organisation's International Agency for Research on Cancer (IARC) to exempt stone wool from its list of "possibly cancer causing agents". Rockfon stone wool core is certified to comply with the Note Q for safe mineral wool fibres of EU Regulations (EC) No 1272/2008 and Directive 97/69/EEC and has a certificate from EUCEB (European Certification Board for Mineral Wool Products).



## Corporate sustainability reporting

### Sustainability reporting

ROCKWOOL Group is a participant in the UN Global Compact. SDG Invest includes ROCKWOOL Group in a portfolio of the 60 best performing companies globally. The ROCKWOOL Group Sustainability report covers the calendar year and is informed by the Global Reporting Initiative (GRI) Standards. The Group performance on CO<sub>2</sub> emissions is regularly disclosed through international reporting platforms such as the Carbon Disclosure Project (CDP). Our Environmental Health & Safety performance was rated 'Prime' – the highest rating score – by leading sustainable investment rating agency ISS-oekom.

The report is available for download on [www.rockwoolgroup.com/sustainability](http://www.rockwoolgroup.com/sustainability)



## Material ingredients table

Substances	E.C. Number <sup>1)</sup>	Amount weight (%)	REACH Regulation	REACH substances registration number	Function
Stone wool	926-099-9	73-97%	Not classified	01-211-947-2313-44	Core insulation material
Binder, a thermoset inert polymer resin	Proprietary composition	<4%	Not classified	No number	Structural binder
Mineral oil	Proprietary composition	<0,2%	Not classified	No number	Water repellent
Non-woven glass wool facing	Proprietary composition	1-15%	Not classified	No number	Facing
Water based paints	Proprietary composition	0-16%	Not classified	No number	Decorative finish
Glue	Proprietary composition	0,01	Not classified	No number	Glue

<sup>1)</sup> E.C.: EC-no, determined by the European Commission for identifying materials

## Performance



**Sound absorption**  
 $\alpha_w$ : 0.80 (Class B)



**Reaction to fire**  
A1



**Light reflection**  
85%



**Humidity and sag resistance**  
Up to 100% RH.  
No visible deflection in high humidity  
C/0N



### Environment

Fully recyclable stone wool  
The recycled content of Rockfon products is between 29% and 64% according to ISO 14021.  
Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type).



### Hygiene

Stone wool provides no sustenance to microorganisms  
Microbiological class M1 fulfilling the requirements of Zone 4 (very high risk) defined by NF S 90-351:2013.  
Tested with:  
- Methicillin Resistant Staphylococcus Aureus (MRSA)  
- Candida Albicans  
- Aspergillus Brasiliensis  
The bactericidal and fungicidal effect of dry steam cleaning meets the requirements of NF EN 14561 (> 5 log10) and NF EN 14562 (> 4 log10), meaning the disinfection is very effective.





### Carbon footprint

Cradle-to-Gate 2.83 kg of CO<sub>2</sub> eq. (based on third party verified EPD)  
Cradle-to-Grave 3.74 kg of CO<sub>2</sub> eq. (based on third party verified EPD)



## Product summary table

The following table is categorised by edge type and provides all relevant information related to the products sustainability profile.

	Module size (mm)	Recycled content	Environmental & emission labels							Management systems certifications		Fibre chemistry	Substance Screening	
			E1*	Cradle to Cradle	Blue Angel (RAL DE-UZ 132)	Danish Indoor Climate Label	M1	Singapore Green Building Council	Singapore Green Label	ISO 14001	ISO 9001	EC Note Q compliance (EUCEB)	REACH compliance	BREEM NO A20 list
	600 x 600 x 25	33%	✓	Bronze	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1200 x 600 x 25	33%	✓	Bronze	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\* 124 microgram/m<sup>3</sup> according to test method EN717-1, based on loading scenario 1 m<sup>2</sup>/m<sup>3</sup>, after 14 days (23+/-0,5 °C, RH 45+/-3%).

11.2022 | This document is valid 3 years from date created.  
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and product documentation found on a country-specific website is intended for use ONLY in that particular country unless otherwise explicitly stated so. This document may include technical inaccuracies or typographical errors. In no event shall ROCKWOOL International A/S be liable for any direct, indirect or consequential damages or any other damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other action, arising out of or in connection with the use of information available from this document.  
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# Sounds Beautiful





# Declaration of Performance

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## Declaration of Performance No. DoP-RFN-0124-041-5

Unique identification code of the product-type:

### MediCare Air

Intended use:

**Suspended ceiling membrane for internal use**

Manufacturer:

**Rockfon®**  
ROCKWOOL Danmark A/S  
Hovedgaden 501 • DK-2640 Hedehusene • Denmark • Phone +45 4656 2122 • Fax +45 4656 4030 •  
www.rockfon.com

Systems of AVCP:

1 for Reaction to Fire  
3 for Safety in Use & Dangerous Substances  
4 for other parameters

Harmonised standard:

**EN 13964:2014**

Notified body (EU):

System 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium  
System 3: NB 1235

Declared Performances:

Essential Characteristics	AVCP System	Performance	Harmonised Technical Specification
Reaction to fire	1	A1	EN 13964:2014
Release of formaldehyde	3	E1	
Sound Absorption ( $\alpha_w$ ) Construction Depth: 200 mm	4	<b>Edge</b> A: 0,80 (25mm) 0,95 (40mm)	
Flexural Tensile Strength	3	C/0N	
Susceptibility to the growth of harmful micro-organisms, as dampness	4	A - Not susceptible	
Susceptibility to the growth of harmful micro-organisms, through thermal insulation	4	A - Not susceptible	
Durability	4	C	
Thermal Conductivity ( $\lambda_D$ , W/mK)	4	NPD	

Appropriate technical documentation and/or specific technical documentation:

This product is certified by the Certificate of Constancy of Performance number

**0749-CPR BC1-533-1817-0124-04**

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07



## Déclaration de Performance No. DoP-RFN-0124-041-5

Code d'identification unique du produit type:

### MediCare Air

Usage(s) prévu(s):

**Elément d'habillage de plafond suspendu pour applications intérieures dans les bâtiments**

Fabricant:

**Rockfon®**

ROCKWOOL Danmark A/S

Hovedgaden 501 • DK-2640 Hedehusene • Denmark • Phone +45 4656 2122 • Fax +45 4656 4030 •  
www.rockfon.com

Système(s) d'évaluation et de vérification de la constance des performances (EVCP):

1 pour la réaction au feu  
3 pour la sécurité d'utilisation et les substances dangereuses  
4 pour les autres paramètres

Norme harmonisée:

**EN 13964:2014**

Organisme notifié (EU):

System 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

System 3: NB 1235

Performance(s) déclarée(s):

Caractéristiques essentielles	Système d'EVCP	Performance	Norme harmonisée
Réaction au Feu	1	A1	EN 13964:2014
Rejet de Formaldéhyde	3	E1	
Absorption Acoustique ( $\alpha_w$ ) Hauteur de construction: 200 mm	4	<b>Bords</b> A: 0,80 (25mm) 0,95 (40mm)	
Résistance à la Flexion	3	C/0N	
Susceptibilité au développement de micro-organismes dangereux, par exemple l'humidité	4	A - Non susceptible	
Susceptibilité au développement de micro-organismes dangereux, a travers l'isolation thermique	4	A - Non susceptible	
Durabilité	4	C	
Conductivité Thermique ( $\lambda_D$ , W/mK)	4	NPD	

Documentation technique appropriée et/ou documentation technique spécifique:

Ce produit bénéficie du Certificat de constance des performances numéro

**0749-CPR BC1-533-1817-0124-04**

Les performances du produit identifié ci-dessus sont conformes aux performances déclarées. Conformément au règlement (UE) no 305/2011, la présente déclaration des performances est établie sous la seule responsabilité du fabricant mentionné ci-dessus.

Signé pour le fabricant et en son nom par:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07

## Leistungserklärung No. DoP-RFN-0124-041-5

Eindeutiger Kenncode des Produkttyps:

### MediCare Air

Verwendungszweck(e):

**Unterdecken-Decklage zur Anwendung innerhalb von Gebäuden**

Hersteller:

**Rockfon®**  
 ROCKWOOL Danmark A/S  
 Hovedgaden 501 • DK-2640 Hedehusene • Denmark • Phone +45 4656 2122 • Fax +45 4656 4030 •  
 www.rockfon.com

System(e) zur Bewertung und Überprüfung der Leistungsbeständigkeit:

1 für das Brandverhalten  
 3 für Gebrauchssicherheit und gefährlicher  
 Stoffe  
 4 für andere Parameter

Harmonisierte Norm:

**EN 13964:2014**

Notifizierte Stelle(n) (EU):

System 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium  
 System 3: NB 1235

Erklärte Leistung(en):

Wesentliche Merkmale	AVCP System	Leistung	Harmonisierte technische Spezifikation
Brandverhalten	1	A1	EN 13964:2014
Freigabe von Formaldehyd	3	E1	
Schallabsorption ( $\alpha_w$ ) Deckenholraum: 200 mm	4	<b>Kante</b> A: 0,80 (25mm) 0,95 (40mm)	
Biegezugfestigkeit	3	C/0N	
Anfälligkeit für das Wachstum gesundheitsgefährdender Mikroorganismen, wie Feuchtigkeit	4	A - Nicht anfällig	
Anfälligkeit für das Wachstum gesundheitsgefährdender Mikroorganismen, durch Wärmedämmung	4	A - Nicht anfällig	
Dauerhaftigkeit	4	C	
Wärmeleitfähigkeit ( $\lambda_D$ , W/mK)	4	NPD	

Angemessene Technische Dokumentation und/oder Spezifische Technische Dokumentation:

Dieses Produkt ist zertifiziert durch Leistungs-beständigkeitsbescheinigung Nummer

**0749-CPR BC1-533-1817-0124-04**

Die Leistung des vorstehenden Produkts entspricht der erklärten Leistung/den erklärten Leistungen. Für die Erstellung der Leistungserklärung im Einklang mit der Verordnung (EU) Nr. 305/2011 ist allein der obengenannte Hersteller verantwortlich.

Unterzeichnet für den Hersteller und im Namen des Herstellers von:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07



## Prohlášení o vlastnostech No. DoP-RFN-0124-041-5

Jedinečný identifikační kód typu výrobku:

### MediCare Air

Zamýšlené/zamýšlená použití:

**Zavěšený pohled pro vnitřní užití**

Výrobce:

**Rockfon®**

ROCKWOOL Danmark A/S

 Hovedgaden 501 • DK-2640 Hedehusene • Denmark • Phone +45 4656 2122 • Fax +45 4656 4030 •  
www.rockfon.com

Systém/systémy POSV:

 1 pro reakci na oheň  
3 pro bezpečnost při použití a nebezpečných látek  
4 pro další parametry

Harmonizovaná norma:

**EN 13964:2014**

 Oznámený subjekt/  
oznámené subjekty (EU):

 systém 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium  
systém 3: NB 1235

Deklarovaná vlastnost/Deklarované vlastnosti

Základní technické parametry	Systém POSV	Vlastnosti	Harmonizovaná technická norma
Třída reakce na oheň	1	A1	EN 13964:2014
Uvolňování formaldehydu	3	E1	
Zvuková pohltivost ( $\alpha_w$ ) Závěsná výška: 200 mm	4	<b>Hrana</b> A: 0,80 (25mm) 0,95 (40mm)	
Pevnost v tahu za ohybu	3	C/0N	
Náchylnost k růstu škodlivých mikroorganismů, při vlhkosti	4	A - Není náchylný	
Náchylnost k růstu škodlivých mikroorganismů, a to prostřednictvím tepelné izolace	4	A - Není náchylný	
Životnost	4	C	
Tepelná vodivost ( $\lambda_D$ , W/mK)	4	NPD	

Příslušná technická dokumentace a/nebo specifická technická dokumentace:

Tento výrobek disponuje technickými parametry dle Certifikátu o stálosti vlastností, číslo

**0749-CPR BC1-533-1817-0124-04**

Vlastnosti výše uvedeného výrobku jsou ve shodě se souborem deklarováných vlastností. Toto prohlášení o vlastnostech se v souladu s nařízením (EU) č. 305/2011 vydává na výhradní odpovědnost výrobce uvedeného výše.

Podepsáno za výrobce a jeho jménem:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07

## Ydeevnedeklaration No. DoP-RFN-0124-041-5

Varetypens unikke identifikationskode:

### MediCare Air

Tilsluttet anvendelse:

#### Nedhængt loftplade til indendørs brug

Fabrikant:

**Rockfon®**

ROCKWOOL Danmark A/S

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Systemer til vurdering og kontrol af ydeevnens konstans:

- 1 for reaktion på brand
- 3 for sikkerhed i brug og farlige stoffer
- 4 for andre parametre

Harmoniseret standard:

**EN 13964:2014**Notificeret organ/  
notificerede organer (EU):

System 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

System 3: NB 1235

Deklareret ydeevne/deklarerede ydeevner

Væsentlige egenskaber	AVCP System	Ydeevne	Harmoniseret teknisk specifikation
Brand reaktion	1	A1	EN 13964:2014
Formaldehyd afgivelse	3	E1	
Lydabsorption ( $\alpha_w$ ) Konstruktionshøjde: 200 mm	4	<b>Kant</b>	
		A: 0,80 (25mm) 0,95 (40mm)	
Bøjningstrækstyrke	3	C/0N	
Modtagelighed for vækst af skadelige mikroorganismer, under fugtige forhold	4	A - Ikke modtagelig	
Modtagelighed for vækst af skadelige mikroorganismer, gennem varmeisolering	4	A - Ikke modtagelig	
Holdbarhed	4	C	
Varmeledningsevne ( $\lambda_D$ , W/mK)	4	NPD	

Relevant teknisk dokumentation og/eller specifik teknisk dokumentation:

Dette produkt er certificeret med Certifikat for Ydeevnens Konstans nummer:

**0749-CPR BC1-533-1817-0124-04**

Ydeevnen for den vare, der er anført ovenfor, er i overensstemmelse med den deklarerede ydeevne. Denne ydeevnedeklaration er udarbejdet i overensstemmelse med forordning (EU) nr. 305/2011 på eneansvar af den fabrikant, der er anført ovenfor.

Underskrevet for fabrikanten og på dennes vegne af:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07



## Toimivusdeklaratsioon No. DoP-RFN-0124-041-5

Tootetüübi kordumatu identifitseerimiskood:

### MediCare Air

Kavandatud kasutusala(d):

**Ripplagi kasutamiseks siseruumides**

Tootja:

**Rockfon®**

ROCKWOOL Danmark A/S

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www.rockfon.com

Toimivuse püsivuse hindamise ja kontrolli süsteem:

- 1 Tuletundlikkus
- 3 Kasutusohutus & ohtlikud ained
- 4 Teised parameetrid

Ühtlustatud standard:

**EN 13964:2014**

Teavitatud asutus(ed) (EU):

Süsteemi 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

Süsteemi 3: NB 1235

Deklareeritud toimivus

Põhiomadused	AVCP Süsteem	Toimivus	Ühtlustatud tehniline kirjeldus
Tuletundlikkus	1	A1	EN 13964:2014
Formaaldehüüdi eraldumine	3	E1	
Helineelduvus ( $\alpha_w$ ) Konstruktsiooni kõrgus: 200 mm	4	<b>Serv</b> A: 0,80 (25mm) 0,95 (40mm)	
Paindetõmbetugevus	3	C/ON	
Vastuvõtlikkus kahjulike mikroorganismide kasvuks niiskes keskkonnas	4	A - Ei ole vastuvõtlikud	
Vastuvõtlikkus kahjulike mikroorganismide kasvuks läbi soojusisolatsiooni	4	A - Ei ole vastuvõtlikud	
Vastupidavus	4	C	
Soojusjuhtivus ( $\lambda_D$ , W/mK)	4	NPD	

Asjakohane tehniline dokumentatsioon ja/või tehniline eridokumentatsioon:

Toode hinnatud vastavalt toimivuse hindamise ja kontrollisüsteemi standardile

**0749-CPR BC1-533-1817-0124-04**

Eespool kirjeldatud toote toimivus vastab deklareeritud toimivusele. Käesolev toimivusdeklaratsioon on välja antud kooskõlas määrusega (EL) nr 305/2011 eespool nimetatud tootja ainuvastutusel.

Tootja poolt ja nimel allkirjastanud:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07

## Declaración de Prestaciones No. DoP-RFN-0124-041-5

Código de identificación única del producto tipo:

### MediCare Air

Usos previstos:

**Elemento de techo suspendido para uso en aplicaciones internas**

Fabricante:

**Rockfon®**

ROCKWOOL Danmark A/S

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www.rockfon.com

Sistemas de evaluación y verificación de la constancia de las prestaciones (EVCP):

1 para Reacción al Fuego  
3 para la Seguridad en el Uso y sustancias peligrosas  
4 para otros parámetros

Norma armonizada:

**EN 13964:2014**

Organismos notificados (EU):

Sistema 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

Sistema 3: NB 1235

Prestaciones declaradas:

Características principales	Sistema EVCP	Prestación	Especificaciones técnicas armonizadas
Reacción al Fuego	1	A1	EN 13964:2014
Emisión de Formaldehído	3	E1	
Absorción Acústica ( $\alpha_w$ ) Profundidad de instalación: 200 mm	4	<b>Canto</b> A: 0,80 (25mm) 0,95 (40mm)	
Resistencia a la Flexión	3	C/0N	
Susceptible al crecimiento de microorganismos perjudiciales, como la humedad	4	A - No susceptible	
Susceptible al crecimiento de microorganismos perjudiciales, mediante aislamiento térmico	4	A - No susceptible	
Durabilidad	4	C	
Conductividad Térmica ( $\lambda_D$ , W/mK)	4	NPD	

Documentación técnica adecuada o documentación técnica específica:

Este producto está certificado con el Certificado de Prestaciones número

**0749-CPR BC1-533-1817-0124-04**

Las prestaciones del producto identificado anteriormente son conformes con el conjunto de prestaciones declaradas. La presente declaración de prestaciones se emite, de conformidad con el Reglamento (UE) no 305/2011, bajo la sola responsabilidad del fabricante arriba identificado.

Firmado por y en nombre del fabricante por:

Niels Blume-Frederiksen, Group Certification & Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07



## Suoritustasoilmoitus No. DoP-RFN-0124-041-5

Tuotetyypin yksilöllinen tunnistus:

### MediCare Air

Aiottu käyttötarkoitus (aiotut käyttötarkoitukset):

**Sisäkäyttöön asennettavaksi tarkoitettu alakattolevy**

Valmistaja:

**Rockfon®**

ROCKWOOL Danmark A/S

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www.rockfon.com

Suoritustason pysyvyyden arvioinnissa ja varmentamisessa käytetty järjestelmä/käytetyt järjestelmät:

- 1 Palotekninen käyttäytyminen
- 3 Käyttöturvallisuus ja vaarallinen sisältö
- 4 muista arvoista

Yhdenmukaistettu standardi:

**EN 13964:2014**

Ilmoitettu laitos/

System 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

ilmoitetut laitokset (EU):

System 3: NB 1235

Ilmoitettu suoritustaso/ilmoitetut suoritustasot

Perusominaisuudet	AVCP järjestelmä	Suoritustaso	Yhdenmukaistetut tekniset eritelmät
Palotekniset ominaisuudet	1	A1	EN 13964:2014
Formaldehydipäästöt	3	E1	
Äänenvaimennus ( $\alpha_w$ ) Rakennekorkeus: 200 mm	4	<b>Reunamuoto</b> A: 0,80 (25mm) 0,95 (40mm)	
Taivutusvetolujuus	3	C/0N	
Kasvualustana mikro-organismeille kosteassa	4	A - Ei altista	
Kasvualustana mikro-organismeille jos lämmöneristeenä	4	A - Ei altista	
Kestävyys	4	C	
Lämmönjohtavuus ( $\lambda_D$ , W/mK)	4	NPD	

Asianmukainen tekninen asiakirja ja/tai tekninen erityisasiakirja:

Tämä tuote on sertifioitu suoritustason pysyvyyden mukaan numerolla

**0749-CPR BC1-533-1817-0124-04**

Edellä yksilöidyn tuotteen suoritustaso on ilmoitettujen suoritustasojen joukon mukainen. Tämä suoritustasoilmoitus on asetuksen (EU) N:o 305/2011 mukaisesti annettu edellä ilmoitetun valmistajan yksinomaisella vastuulla.

Valmistajan puolesta allekirjoittanut:

Niels Blume-Frederiksen, Group Certification & Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07

## Dichiarazione di Prestazione No. DoP-RFN-0124-041-5

Codice di identificazione unico del prodotto-tipo:

### MediCare Air

Usi previsti:

**Pannello per Controsoffitto per uso interno**

Fabbricante:

**Rockfon®**

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Sistemi di VVCP:

1 per la reazione al fuoco  
3 per la sicurezza nell'uso e le sostanze pericolose  
4 per gli altri parametri

Norma armonizzata:

**EN 13964:2014**

Organismi notificati (EU):

Sistema 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

Sistema 3: NB 1235

Prestazioni dichiarate:

Caratteristiche essenziali	Sistemi di VVCP	Prestazioni	Specifica tecnica armonizzata
Reazione al Fuoco	1	A1	EN 13964:2014
Rilascio di Formaldeide	3	E1	
Assorbimento Acustico ( $\alpha_w$ ) Profondità di Installazione: 200 mm	4	<b>Bordi</b> A: 0,80 (25mm) 0,95 (40mm)	
Stabilità alla Flessione	3	C/0N	
Predisposizione alla sviluppo di microorganismi nocivi, come l'umidità	4	A - Non predisposto	
Predisposizione alla sviluppo di microorganismi nocivi, attraverso l'isolamento termico	4	A - Non predisposto	
Durabilità	4	C	
Conduttività Termica ( $\lambda_D$ , W/mK)	4	NPD	

Documentazione tecnica appropriata e/o documentazione tecnica specifica:

Questo prodotto è certificate dal Certificato di Costanza della Prestazione numero

**0749-CPR BC1-533-1817-0124-04**

La prestazione del prodotto sopra identificato è conforme all'insieme delle prestazioni dichiarate. La presente dichiarazione di responsabilità viene emessa, in conformità al regolamento (UE) n. 305/2011, sotto la sola responsabilità del fabbricante sopra identificato

Firmato a nome e per conto del fabbricante da:

Niels Blume-Frederiksen, Group Certification & Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07



## Prestatieverklaring No. DoP-RFN-0124-041-5

Unieke identificatiecode van het producttype:

### MediCare Air

Beoogd gebruik:

**Verlaagd plafond membraan voor binnentoepassingen**

Fabrikant:

**Rockfon®**

ROCKWOOL Danmark A/S

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Het systeem of de systemen voor de beoordeling en verificatie van de prestatiebestendigheid:

1 voor Brandreactie  
3 voor Veiligheid in gebruik en gevaarlijke stoffen  
4 voor Andere parameters

Geharmoniseerde norm:

**EN 13964:2014**

Aangemelde instantie(s) (EU):

System 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

System 3: NB 1235

Aangegeven prestatie(s):

Essentiële eigenschappen	AVCP systeem	Prestatie	Geharmoniseerde technische specificatie
Brandgedrag	1	A1	EN 13964:2014
Formaldehyde emissieklasse	3	E1	
Geluidsabsorptie ( $\alpha_w$ ) Constructiehoogte: 200 mm	4	<b>Kantafwerking</b> A: 0,80 (25mm) 0,95 (40mm)	
Dimensiestabiliteit	3	C/0N	
Gevoelig voor groei van schadelijke micro-organismen, zoals vochtigheid	4	A - Ongevoelig	
Gevoelig voor groei van schadelijke micro-organismen, door de thermische isolatie	4	A - Ongevoelig	
Duurzaamheid	4	C	
Thermischegeleidingscoëfficiënt ( $\lambda_D$ , W/mK)	4	NPD	

Geëigende technische documentatie en/of specifieke technische documentatie:

Dit product is gecertificeerd door Certificaat van Prestatiebestendigheid nummer

**0749-CPR BC1-533-1817-0124-04**

De prestaties van het hierboven omschreven product zijn conform de aangegeven prestaties. Deze prestatieverklaring wordt in overeenstemming met Verordening (EU) nr. 305/2011 onder de exclusieve verantwoordelijkheid van de hierboven vermelde fabrikant verstrekt

Ondertekend voor en namens de fabrikant door:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07

## Ytelseserklæring No. DoP-RFN-0124-041-5

Produkttypens unike identifikasjonskode:

### MediCare Air

Tiltenkt anvendelse:

**Nedhengt himlingsplate for innvendig bruk**

Produsent:

**Rockfon®**

ROCKWOOL Danmark A/S

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www.rockfon.com

Systemer for vurdering og deklarerer

1 for reaksjon på brann  
3 for sikkerhet ved bruk og farlige stoffer  
4 for andre parametre

Harmonisert standard:

**EN 13964:2014**

Teknisk kontrollorgan (EU):

System 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

System 3: NB 1235

Deklarete ytelser:

Vesentlige egenskaper	AVCP System	Ytelse	Harmonisert teknisk spesifisering
Reaksjon på brann	1	A1	EN 13964:2014
Avgivelse av formaldehyd	3	E1	
Sound Absorption ( $\alpha_w$ ) Konstruksjonshøyde: 200 mm	4	<b>Kant</b> A: 0,80 (25mm) 0,95 (40mm)	
Bøystrekkfasthet	3	C/0N	
Mottakelighet for vekst av skadelige mikroorganismer, under fuktige forhold	4	A - Ikke mottakelig	
Mottakelighet for vekst av skadelige mikroorganismer, via termisk isolering	4	A - Ikke mottakelig	
Holdbarhet	4	C	
Varmeledningsevne ( $\lambda_D$ , W/mK)	4	NPD	

Relevant teknisk dokumentasjon og/eller spesifikk teknisk dokumentasjon:

Dette produktet er sertifisert ved sertifikat med fortløpende ytelses nummer:

**0749-CPR BC1-533-1817-0124-04**

Yteevnen for produkt som nevnt over er i overensstemmelse med den deklarete yteevnen. Denne ytelseserklæring er utarbeidet i overensstemmelse med forordning (EU) No 305/2011, med eneansvar av produsent som er nevnt over.

Signert for og på vegne av produsent ved:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07



## Deklaracja właściwości użytkowych No. DoP-RFN-0124-041-5

Niepowtarzalny kod identyfikacyjny typu wyrobu:

### MediCare Air

Zamierzone zastosowanie:

**Element połączy sufitu podwieszanego przeznaczony do stosowania wewnątrz budynku**

Producent:

**Rockfon®**

ROCKWOOL Danmark A/S

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System oceny i weryfikacji stałości właściwości użytkowych:

1 dla reakcji na ogień  
3 dla bezpieczeństwa użytkowania i substancji niebezpiecznych  
4 dla innych parametrów

Norma zharmonizowana:

**EN 13964:2014**

Jednostka notyfikowana (EU):

System 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

System 3: NB 1235

Deklarowane właściwości użytkowe

Zasadnicze charakterystyki	System AVCP	Poziom lub klasa	Zharmonizowana specyfikacja techniczna
Reakcja na ogień	1	A1	EN 13964:2014
Uwalnianie formaldehydu	3	E1	
Pochłanianie dźwięku ( $\alpha_w$ ) Wysokość podwieszenia: 200 mm	4	<b>Krawędzie</b> A: 0,80 (25mm) 0,95 (40mm)	
Wytrzymałość na zginanie	3	C/0N	
Podatność na rozwój szkodliwych mikroorganizmów, wilgoć z otoczenia	4	A - Niepodatny	
Podatność na rozwój szkodliwych mikroorganizmów, wilgoć w izolacji cieplnej	4	A - Niepodatny	
Trwałość	4	C	
Przewodzenie ciepła ( $\lambda_D$ , W/mK)	4	NPD	

Odpowiednia dokumentacja techniczna lub specjalna dokumentacja techniczna:

Produkt ten posiada parametry techniczne zgodne z Certyfikatem stałości właściwości użytkowych nr

**0749-CPR BC1-533-1817-0124-04**

Właściwości użytkowe określonego powyżej wyrobu są zgodne z zestawem deklarowanych właściwości użytkowych. Niniejsza deklaracja właściwości użytkowych wydana zostaje zgodnie z rozporządzeniem (UE) nr 305/2011 na wyłączną odpowiedzialność producenta określonego powyżej.

W imieniu producenta podpisał:

Niels Blume-Frederiksen, Group Certification & Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07

## Prestandadeklaration No. DoP-RFN-0124-041-5

Produkttypens unika identifikationskod:

### MediCare Air

Avsedd användning/avsedda användningar:

**Nedpendlad undertakskiva för inomhus bruk**

Tillverkare:

**Rockfon®**

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System för bedömning och fortlöpande kontroll av prestanda:

1 för reaktion vid brandpåverkan  
3 för säkerhet vid användning och farliga ämnen  
4 för andra parametrar

Harmoniserad standard:

**EN 13964:2014**

Anmält organ (EU):

System 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

System 3: NB 1235

Angiven prestanda:

Väsentliga egenskaper	AVCP System	Prestanda	Harmoniserad teknisk specifikation
Reaktion vid brandpåverkan	1	A1	EN 13964:2014
Avgivning av formaldehyd	3	E1	
Ljudabsorption ( $\alpha_w$ ) Konstruktionshöjd: 200 mm	4	<b>Kant</b> A: 0,80 (25mm) 0,95 (40mm)	
Böjhållfasthet	3	C/0N	
Känslighet för tillväxt av skadliga mikroorganismer, vid fuktiga förhållande	4	A - Icke Känslig	
Känslighet för tillväxt av skadliga mikroorganismer, genom termisk isolering	4	A - Icke Känslig	
Hållbarhet	4	C	
Värmeledningsförmåga ( $\lambda_D$ , W/mK)	4	NPD	

Lämplig teknisk dokumentation och/eller särskild teknisk dokumentation:

Denna produkt är certifierad med intyget om fortlöpande prestandakontroll nummer

**0749-CPR BC1-533-1817-0124-04**

Prestandan för ovanstående produkt överensstämmer med den angivna prestandan. Denna prestandadeklaration har utfärdats i enlighet med förordning (EU) nr 305/2011 på eget ansvar av den tillverkare som anges ovan.

Undertecknad på tillverkarens vägnar av:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07



## Prehlásenie o vlastnostiach No. DoP-RFN-0124-041-5

Jedinečný identifikačný kód typu výrobku:

### MediCare Air

Zamýšľané použitie/použitia:

**Zaveseny podhlád na vnútorné použitie**

Výrobca:

**Rockfon®**

ROCKWOOL Danmark A/S

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www.rockfon.com

Systém(-y) posudzovania a overovania nemennosti parametrov:

1 pre reakciu na oheň  
3 pre bezpečnosť pri použití a nebezpečných látok  
4 pre ďalšie parametre

Harmonizovaná norma:

**EN 13964:2014**

 Notifikovaný(-é)  
subjekt(-y) (EU):

systém 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium

systém 3: NB 1235

Deklarované parametre:

Základné technické parametre	Systém AVCP	Vlastnosti	Harmonizovaná technická norma
Trieda reakcie na oheň	1	A1	EN 13964:2014
Uvoľňovanie formaldehydu	3	E1	
Zvuková pohltivosť ( $\alpha_w$ ) Závesná výška: 200 mm	4	<b>Hrana</b> A: 0,80 (25mm) 0,95 (40mm)	
Pevnosť v ťahu za ohybu	3	C/0N	
Náchylnosť k rastu škodlivých mikroorganizmov, pri vlhkostiach	4	A - Není náchilný	
Náchylnosť k rastu škodlivých mikroorganizmov, pôsobením tepelnej izolácie	4	A - Není náchilný	
Životnosť	4	C	
Tepelná vodivosť ( $\lambda_D$ , W/mK)	4	NPD	

Vhodná technická dokumentácia a/alebo špecifická technická dokumentácia:

Tento výrobok disponuje technickými parametrami podľa Certifikátu o stálosti vlastností, číslo

**0749-CPR BC1-533-1817-0124-04**

Uvedené parametre výrobku sú v zhode so súborom deklarovanych parametrov. Toto vyhlásenie o parametroch sa v súlade s nariadením (EÚ) č. 305/2011 vydáva na výhradnú zodpovednosť uvedeného výrobcu.

Podpísal(-a) za a v mene výrobcu:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07

## Declaração de Desempenho No. DoP-RFN-0124-041-5

Código de identificação único do tipo de produto:

### MediCare Air

Uso pretendido:

**Membrana de teto suspensa para uso interno**

Fabricante:

**Rockfon®**

ROCKWOOL Danmark A/S

Hovedgaden 501 • DK-2640 Hedehusene • Denmark • Phone +45 4656 2122 • Fax +45 4656 4030 •  
www.rockfon.com

Sistema de avaliação e verificação da constância das prestações (AVCP):

1 para Reação ao Fogo  
3 para Segurança em Uso & Substâncias perigosas  
4 para outros parâmetros

Norma harmonizada:

**EN 13964:2014**

Organismo notificado:

System 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium  
System 3: NB 1235

Prestações Declaradas:

Características essenciais	Sistema AVCP	Desempenho	Especificação Técnica Harmonizada
Reação ao fogo	1	A1	EN 13964:2014
Liberação de formaldeído	3	E1	
Absorção sonora ( $\alpha_w$ ) Profundidade de construção: 200 mm	4	<b>Borda</b> A: 0,80 (25mm) 0,95 (40mm)	
Resistência à tração na flexão	3	C/0N	
Suscetibilidade ao crescimento de micro-organismos nocivos, como umidade	4	A - Não suscetível	
Suscetibilidade ao crescimento de microrganismos nocivos, através de isolamento térmico	4	A - Não suscetível	
Durabilidade	4	C	
Condutividade térmica ( $\lambda_D$ , W/mK)	4	NPD	

Documentação técnica adequada e/ou documentação técnica específica:

Este produto é certificado pelo número do Certificado de Constância de Desempenho

**0749-CPR BC1-533-1817-0124-04**

O desempenho do produto acima identificado está em conformidade com o conjunto de desempenhos declarados. Esta declaração de desempenho é emitido, de acordo com o Regulamento (UE) n.º 305/2011, sob a exclusiva responsabilidade do fabricante identificado acima.

Assinado por e em nome do fabricante por:

Niels Blume-Frederiksen, Group Certification & Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07



## Declarația de Performanță Nr. DoP-RFN-0124-041-5

Cod unic de identificare al produsului-tip:

### MediCare Air

Utilizare preconizată:

**Membrană componentă plafon suspendat pentru uz intern**

Fabricant:

**Rockfon®**

ROCKWOOL Danmark A/S

Hovedgaden 501 • DK-2640 Hedehusene • Denmark • Phone +45 4656 2122 • Fax +45 4656 4030 •  
www.rockfon.com

Sistemele de EVCP:

1 pentru Reacția la Foc  
3 pentru Siguranță în Exploatare și Substanțe Periculoase  
4 pentru ceilalți parametri

Standard armonizat:

**EN 13964:2014**

Organism Notificat (EU):

Sistemul 1: NB 0749 BCCA, Rue d'Arlon 53 • B-1040 Brussels, Belgium  
Sistemul 3: NB 1235

Performanțe declarate:

Caracteristici esențiale:	Sistemul EVCP	Performanță	Specificațiile tehnice armonizate
Reacția la foc	1	A1	EN 13964:2014
Eliberarea de formaldehidă	3	E1	
Absorbția sunetului ( $\alpha_w$ ) Plenum: 200 mm	4	<b>Margine</b> A: 0,80 (25mm) 0,95 (40mm)	
Rezistență la rupere prin încovoiere	3	C/0N	
Susceptibilitatea la creșterea microorganismelor dăunătoare, cum ar fi umezeala (igrasie/mucegai)	4	A - Nu e susceptibil	
Susceptibilitate la creșterea microorganismelor dăunătoare, prin termoizolație	4	A - Nu e susceptibil	
Durabilitate	4	C	
Conductivitate termică ( $\lambda_D$ , W/mK)	4	NPD	

Documentație tehnică corespunzătoare și/sau documentație tehnică specifică:

Acest produs este certificat prin numărul Certificatului de Constanță al Performanței:

**0749-CPR BC1-533-1817-0124-04**

Performanța produsului identificat mai sus este în conformitate cu setul de performanțe declarate. Această declarație de performanță este emisă în conformitate cu Regulamentul (UE) nr. 305/2011, pe răspunderea exclusivă a fabricantului identificat mai sus.

Semnată pentru și în numele fabricantului de către:

Niels Blume-Frederiksen, Group Certification &amp; Technical Data Manager, Rockfon®



Hedehusene, 2022-11-07

## Declaration of Performance No. DoP-RFN-0124-041-5

Unique identification code of the product-type:

### MediCare Air

Intended use:

**Suspended ceiling membrane for internal use**

Manufacturer:

**Rockfon®**

ROCKWOOL Danmark A/S

Hovedgaden 501 • DK-2640 Hedehusene • Denmark • Phone +45 4656 2122 • Fax +45 4656 4030 •  
www.rockfon.com

Systems of AVCP:

1 for Reaction to Fire  
3 for Safety in Use & Dangerous Substances  
4 for other parameters

Harmonised standard:

**EN 13964:2014**

UK Approved body:

BSI (0086)  
Milton Keynes  
MK5 8PP, UK.

Declared Performances:

Essential Characteristics	AVCP System	Performance	Harmonised Technical Specification
Reaction to fire	1	A1	EN 13964:2014
Release of formaldehyde	3	E1	
Sound Absorption ( $\alpha_w$ ) Construction Depth: 200 mm	4	<b>Edge</b> A: 0,80 (25mm) 0,95 (40mm)	
Flexural Tensile Strength	3	C/0N	
Susceptibility to the growth of harmful micro-organisms, as dampness	4	A - Not susceptible	
Susceptibility to the growth of harmful micro-organisms, through thermal insulation	4	A - Not susceptible	
Durability	4	C	
Thermal Conductivity ( $\lambda_D$ , W/mK)	4	NPD	

Appropriate technical documentation and/or specific technical documentation:

This product is UK CA certified by the Certificate number

**BSI CPR 762605**

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, as it has effect in the United Kingdom, (EU Exit) Regulations 2019 (S.I. 2019/465), under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Niels Blume-Frederiksen, Group Certification & Technical Data Manager, Rockfon®

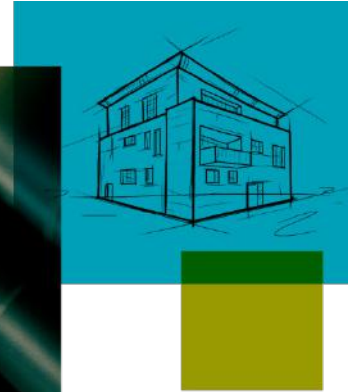
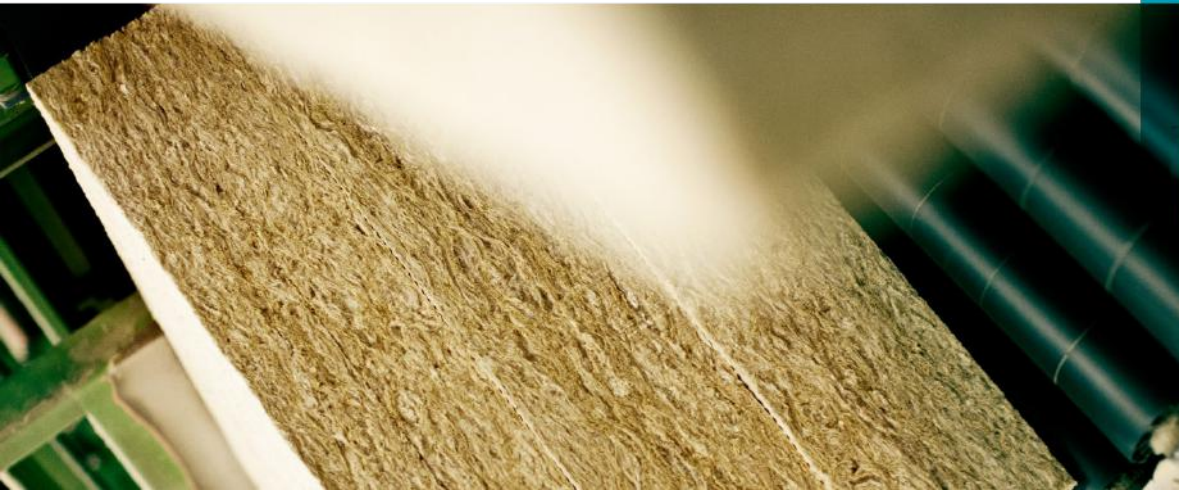


Hedehusene, 2022-11-07



# Environmental Product Declaration (EPD)

Rockfon MediCare® Air (A24)



## Rockfon (part of ROCKWOOL Group) Rockfon Ceiling Tiles, Baffles, Islands and Wall Panels

Based on the published third party verified Rockfon EPD, according to EN 15804 and ISO 14025, available in IBU. This internally verified EPD demonstrates the product specific results, by applying the scaling factor and the impact of the facing, as these were available in the third party EPD and according to the verified formula.

**EPD Number:** EPD-RWI-20200018-CBD3-EN  
**Available via:** <https://epd-online.com/PublishedEpd/Detail/12520>

**Manufacturer: Rockfon (part of ROCKWOOL Group)**

Owner of the declaration:  
Rockfon (part of ROCKWOOL Group)  
Hovedgaden 501D  
2640, Hedehusene, Denmark

**Contact person:**

Chris Murphy ([chris.murphy@rockfon.com](mailto:chris.murphy@rockfon.com))  
ROCKWOOL Limited T/A Rockfon  
14th Floor, Chiswick Tower, 389 Chiswick High Road, London W4 4AL

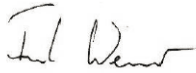
Date of issue: 10/03/2020  
Valid until: 09/03/2025

**Life Cycle Assessment study:**

This environmental product declaration is based on a Life Cycle Assessment (LCA) background study according to EN 15804:2012+A1:2013 carried out by:

Magdalini Psarra ([magdalini.psarra@rockfon.com](mailto:magdalini.psarra@rockfon.com))  
Rockfon (part of ROCKWOOL Group)  
Hovedgaden 501  
2640 Hedehusene, Denmark

**Verification:**

CEN standard EN 15804 serves as the core PCR (product category rule)	
Independent verification of the Rockfon Ceiling Tiles EPD, published in Institut Bauen und Umwelt e.V. (IBU), in accordance with EN ISO 14025:2010, EN 15804: 2012+A1:2013, with prEN 16783 serving as the PCR:  External	Independent verification of the calculation of the recycled content and this declaration, in accordance with EN ISO 14025:2010  Internal
Third-party verifier: Dr. Frank Werner   10 March 2020	Remark: the results and core content in this EPD come from the third party verified EPD for Rockfon, as this is published in IBU website (Declaration number: EPD-RWI-20200018-CBD3-EN). The calculation of the recycled content and the list of products is internally verified in Rockfon.

Environmental Product Declarations (EPDs) may not be comparable if they do not comply with the EN15804:2012+A1: 2013 Clause 5.3

# Rockfon MediCare® Air

Edges: A24

## Declared unit

**1 m<sup>2</sup> of installed ceiling tile.**

A product of 2.70 kg/m<sup>2</sup> weight and a thickness of 25 mm fulfils the declared unit specification.



## Total Embodied Carbon / Global Warming Potential

**3.736 kg CO<sub>2</sub> equivalent GWP** (Cradle to Grave, Modules A1 – C4)

## Intended application of the Environmental Product Declaration

This EPD is intended to be available to customers of Rockfon in the United Kingdom and Republic of Ireland.

## Product description

Rockfon stone wool acoustic products are traditionally made from volcanic rock (typically basalt or dolomite), an increasing proportion of recycled material, and a low percentage of binder (in Rockfon acoustic tiles this is around 3-4%). The essential component of Rockfon tiles are stone wool fibres, which are monofilament synthetic mineral fibres of non-crystalline structure extracted from a silicate melt.

## Application

Rockfon products include acoustic ceiling tiles, baffles, islands and wall panels. They are available with different coatings and facings in a variety of shapes, thicknesses, and densities and positively contribute to a healthy indoor environment.

## Reference service life

A reference service life according to ISO 15686 is not declared for this EPD. Instead, a service life is declared according to BBSR table. According to this table, mineral panels have a service life of more than 50 years in a building. For this EPD the declared value is therefore 50 years. This is the service life that is used in most existing PCRs and EPDs in the Dutch, German, US and Canadian markets. The mineral wool core in Rockfon products is tested to maintain its properties for at least 50 years. Also, Rockfon products are tested to maintain flatness even in high temperature/ high humidity environments (40°C / 95 % relative humidity). Given this, there is no doubt that Rockfon ceiling tiles could have a technical lifespan of more than 50 years in a normal indoor environment.

Some owners will replace the Rockfon product due to renovations or aesthetics, but not for functional performance reasons. Replacements typically do not happen due to technical failure but are more likely the result of vandalism, accidents, visual appearance, minor refurbishments (e.g. painting an office, changing of tenants) or major refurbishments.

---

1 - A1 when tested according to EN 13501-1 (Euroclasses)



## Technical information

The product standard that applies is EN 13964:2014  
Suspended ceiling - Requirements and test methods

Specific characteristics and additional functionalities shall be taken into account when applying the EPDs in the building context:

- Most Rockfon stone wool tiles are classified as non-combustible (Euroclass A1), the safest reaction to fire class according to EN13501-1.
- Rockfon stone wool products are often applied because of their acoustic properties. For example, a suspended ceiling with Rockfon stone wool products will comply with any acoustic regulation requirements in average building typologies. The sound absorption coefficient can be up to 1.00 (highest level) and A class for sound absorption.
- Rockfon stone wool products are durable without any ageing of the acoustic performance. They are dimensionally stable and both water repellent and moisture resistant. Moisture and nutrient are necessary conditions for mould growth. Since more than 95% of the mass of mineral wool products is inorganic, there is little nutrient source to allow fungi/mould growth [ref. Eurima-health-safety].
- Rockfon stone wool ceiling products have excellent light diffusion of >99% and very good light reflection, reaching up to 87%.

More specific product information can be found in [www.rockfon.co.uk/](http://www.rockfon.co.uk/).

Guidance on safe and effective installation could be provided through the local organization and at the end of this EPD.

Rockfon stone wool is recyclable. We offer solutions for recycling to our customers in many European markets. For installation cut-offs or demolition waste from Rockfon products, the local organization is happy to discuss the individual requirements of contractors and users considering returning these materials to ROCKWOOL factories for recycling. Please contact our technical support for more information on the individual solution.

Rockfon stone wool waste is classified as non-hazardous. Leaching tests of mineral wool waste by Eurima demonstrate that they comply with the criteria for acceptance of waste at a landfill for non-hazardous waste and with the criteria for acceptance of waste at a landfill for inorganic waste with low organic content [ref. Hjelmer 2004, Abdelghafour, 2004].

## Product specification: Typical composition of delivered product

Material	% of total weight
Non-scarce natural stone and secondary raw materials	59 %
Slags and other secondary materials or waste materials	19.5 %
Minerals oil and bonding agent	<0.2 %
Binder, a thermoset inert polymer resin	5 %
Non-woven glass wool facing (optional)	1-15 %
Water-based paints	0-16.5 %
Packaging	< 6 %

# Life Cycle Assessment: Calculation rules

## Flow diagram system boundaries

### System boundaries

The product stage **A1-A3** includes:

- Provision of preliminary products and energy and relevant upstream processes;
- Transporting the raw materials and preliminary materials to ROCKWOOL production facilities;
- Production process in the ROCKWOOL production facilities including energy inputs and emissions;
- Electricity consumption;
- Waste processing up to the end-of-waste state or disposal of waste residues, during the production stage;
- Production of packaging material;
- Manufacturing of products and co-product.

The environmental impact of co-products coming for example from the steel and electricity plants (e.g. slags, alumina and ashes entering the system as inputs to the manufacturing) is accounted for and economic allocation is applied.

Recycled stone wool comes free of environmental burden, as it enters the product system as waste. Its transport to the factory is accounted for. Modules A1, A2 and A3 are declared as an aggregated module A1-A3.

The Construction Stage **A4-A5** includes:

- A4 transport to the building site
- A5 installation to the building
- The transport in A4 is modelled based on the amount of tiles that fit in a truck that can hold 44 pallets. The values are based on annual average delivery data. In A5 the default installation is assumed to be manual, therefore no energy consumption or ancillary equipment is needed.
- The product waste from installation is assumed to be 7% and according to the modularity principle of EN 15804, its impacts are fully allocated to A5. The 7% assumption is used based on the "common scenarios for LCA" internal document from EURIMA (European Insulation Manufacturers Association) but can, in reality, be significantly lower.

The A5 stage, according to EN 15804 includes also waste processing up to the end-of-waste state or disposal of final residues during the construction process stage and impacts and

### EPD type

**Cradle-to- Gate with options, modules C1-C4, and module D.** Included are all relevant life cycle stages.

Rockfon acoustic products do not have any impact during use (B1), and do not require repair (B3), replacement (B4), or refurbishment (B5) during use in standard conditions.

They do not use energy (B6) or water (B7) during use of the building.

aspects related to product losses during installation. Finally, the A5 module includes also the corresponding end-of-life considerations for packaging. The assumption for installation waste for this calculation is that it is 100% landfilled but it can be 100% recycled through the Rockfon recycling service offering.

The use-stage B1-B7, related to the building fabric includes:

- B1 use or application of the installed product -not part of this EPD;
- B2 maintenance;
- B3 repair;
- B4 replacement;
- B5 refurbishment;
- B6 – Operational energy use;
- B7 – Operational water use.

Rockfon stone wool ceiling tiles are installed permanently in the structure and do not require maintenance, repair, replacement or refurbishment under normal use conditions. Similarly, Rockfon has no operational energy or water use.

The End-of-life stage **C1-C4** includes:

- C1 de-construction, demolition;
- C2 transport to waste processing;
- C3 waste processing for reuse, recovery and/or recycling;
- C4 disposal.

These stages also include the provision and all transport, provision of all materials, products and related energy and water use. Manual deconstruction is assumed for C1 and no impacts are assigned. The benefits from disposal (heat or electricity recovery) are assigned to module D.

**Module D** includes reuse, recovery and/or recycling potentials expressed as net loads and benefits. Here the loads from the packaging disposal in A5 and from electricity generation on landfill are considered.

Below a schematic representation of the system boundaries is shown.



# Life Cycle Assessment: Calculation rules

## Flow diagram system boundaries

**EPD type**

**Cradle-to- Gate with options, modules C1-C4, and module D.** Included are all relevant life cycle stages.

Rockfon acoustic products do not have any impact during use (B1), and do not require repair (B3), replacement (B4), or refurbishment (B5) during use in standard conditions.

They do not use energy (B6) or water (B7) during use of the building.

### System Boundaries

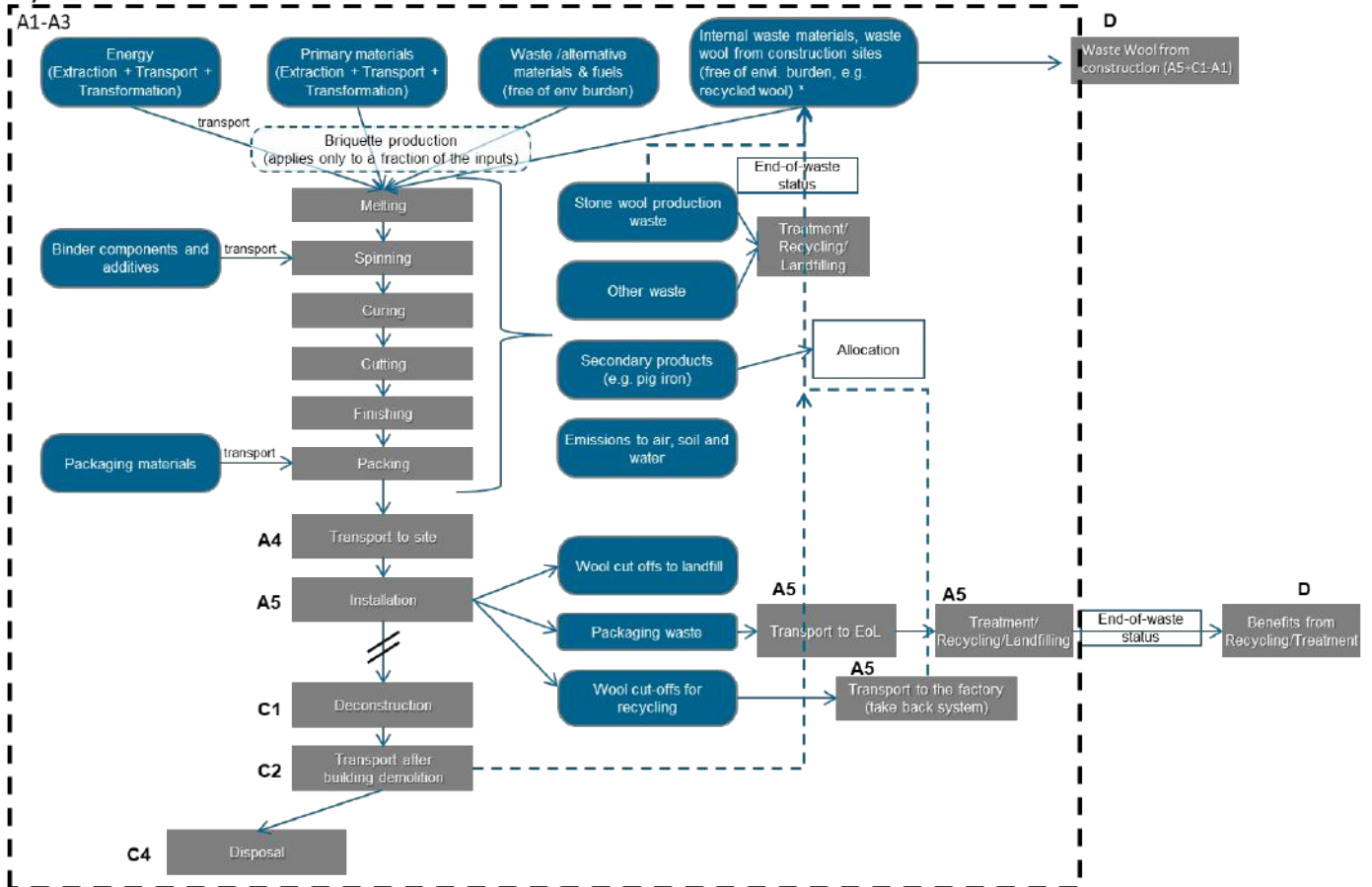


Figure 1: System boundaries for Rockfon production system

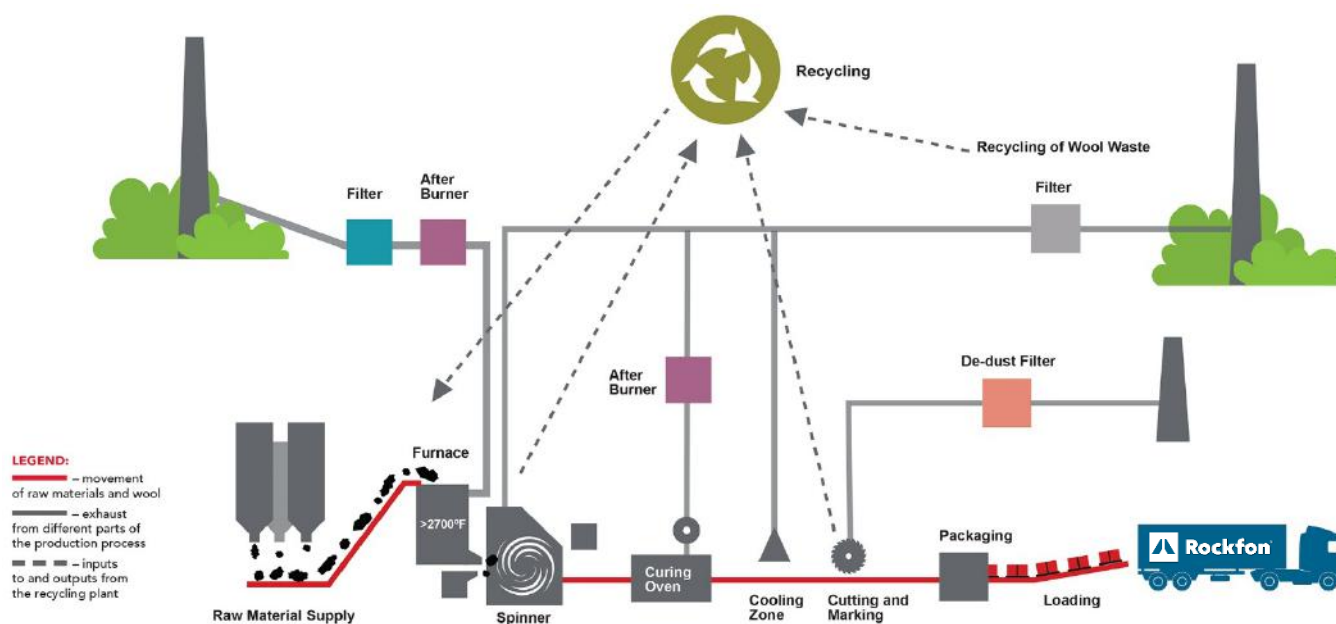


Figure 2: Graphical representation of manufacturing process at Rockfon

## Description of production process

Stone wool is produced as follows:

Raw materials, mainly basaltic rocks and secondary raw materials and coke are weighed and led into the cupola oven where they are melted. The melted mass from the cupola then goes through a spinning machine in order to create fibres. At this stage, also binder is applied, and fibres are formed. This moist pack of stone wool (uncured binder) is fed into the curing oven where the binder is polymerized. Once removed from the oven, the products are cooled down and go through a series of confectioning stages in order to give each product its final dimensions before packaging. Final facing materials are applied, like glue, a glass fleece and paint.

For cleaning the air of the melting process and the curing oven several after-burners, installations and filters (made of stone wool) are used. Off-cuts and stone wool air filters are all recycled back into the production.

The collected data reflects the actual stone wool produced by the ROCKWOOL plant in Roermond (Netherlands), Cigacice (Poland), Saint Eloy (France), Vyborg (Russia) and Marshall County, Mississippi (USA).

Throughout its factories, Rockfon stone wool products are manufactured with the same underlying technology and pass through the same production processes in different production plants.

## Cut-off criteria

Included are all the basic materials used as per formulation, utilized thermal energy, internal fuel consumption and electric power consumption, all packaging materials (plastic wrapping, pallets, labels), any direct production waste, and all emission measurements available. Machines and facilities required during production are treated as capital goods and their production is therefore not included in the LCA.

## Allocation

Besides stone wool, pig iron is produced during the melting process of raw materials and sold. The iron is considered to be a co-product. Iron as a co-product is allocated by economic value. This is in line with EN15804.

## Data quality

The quality of the data of this specific EPD is assessed as good and appropriate by internal experts. The data gathering approach for all EPDs is assessed as good and appropriate by the external verifier. Data was collected consistently and based on the financial year 2018.

# Life Cycle Assessment: Results



## Rockfon MediCare Air (A24)

1 m<sup>2</sup> of installed ceiling tile with a weight of 2.70 kg/m<sup>2</sup> and a thickness of 25 mm.

Description of the system boundaries (X=included; MND = Module not declared; MNR= Module not relevant)

Production stage			Construction stage		Use stage							End-of-life stage				Benefits and loads beyond the system boundaries
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction/ demolition	Transport	Waste processing	Disposal	Reuse- Recovery- Recycling - potential
A1	A2	A3	A4	A5	B1	B2			B3 – B7			C1	C2	C3	C4	D
X	X	X	X	X	MND	X			MNR / MND			X	X	X	X	X

## Number formatting

The values in the following tables are presented in the scientific notation format, as displaying them using standard decimal number format would be impractical.

The numbers are easily interpreted, for example, the following number represents 1 part per million (ppm) as written in decimal format to 4 decimal places:

**0.0001**

Using the scientific notation, it can be displayed like this:

**1.0 x 10<sup>-4</sup>**

Or

**1.0E-04**

The value 0 (zero) is always displayed as:

**0.00E+00**

## Limitations

Conservative choices are made in the LCA as described in the ROCKWOOL Group LCA rules. Therefore, the results can be considered to be conservative and worst case.



# Environmental Impact

Note: Values displayed using scientific notation, see Page 7 for more information.

Parameter	Production stage	Construction stage			Use stage			End-of-life stage				D Benefits and loads beyond the boundaries of the system
	A1-A3	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 – B7	C1 De-construction/ demolition	C2 Transport	C3 Waste treatment	C4 Disposal		
Global warming potential (GWP) kg CO <sub>2</sub> equiv	2.83E+00	3.67E-01	4.91E-01	MND	0.00E+00	MNR / MND	0.00E+00	1.26E-02	0.00E+00	4.06E-02	-1.05E-01	
The global warming potential of a gas refers to the total contribution to global warming resulting from the emission of one unit of that gas relative to one unit of the reference gas, carbon dioxide, which is assigned a value of 1.												
Ozone depletion potential (ODP) kg CFC11 equiv	3.97E-09	6.07E-17	6.48E-10	MND	0.00E+00	MNR / MND	0.00E+00	2.08E-18	0.00E+00	2.36E-16	-2.02E-14	
Destruction of the stratospheric ozone layer which shields the earth from ultraviolet radiation harmful to life. This destruction of ozone is caused by the breakdown of certain chlorine and/or bromine containing compounds (chlorofluorocarbons or halons), which break down when they reach the stratosphere and then catalytically destroy ozone molecules.												
Acidification potential (AP) kg SO <sub>2</sub> equiv	1.54E-02	3.10E-04	1.16E-03	MND	0.00E+00	MNR / MND	0.00E+00	1.12E-05	0.00E+00	2.44E-04	-2.77E-04	
Acid depositions have negative impacts on natural ecosystems and the man-made environment including buildings. The main sources for emissions of acidifying substances are agriculture and fossil fuel combustion used for electricity production, heating and transport.												
Eutrophication potential (EP) kg PO <sub>4</sub> 3- equiv	2.06E-03	6.84E-05	1.80E-04	MND	0.00E+00	MNR / MND	0.00E+00	2.51E-06	0.00E+00	2.77E-05	-2.69E-05	
Excessive enrichment of waters and continental surfaces with nutrients, and the associated adverse biological effects.												
Photochemical ozone creation (POCP) kg Ethene equiv	1.17E-03	1.16E-06	9.26E-05	MND	0.00E+00	MNR / MND	0.00E+00	-2.11E-07	0.00E+00	1.87E-05	-2.69E-05	
Chemical reactions brought about by the light energy of the sun. The reaction of nitrogen oxides with hydrocarbons in the presence of sunlight to form ozone is an example of a photochemical reaction												
Abiotic depletion potential for non-fossil resources (ADP-elements) kg Sb equiv	1.19E-05	2.83E-08	8.31E-07	MND	0.00E+00	MNR / MND	0.00E+00	9.71E-10	0.00E+00	1.50E-08	-3.18E-08	
Abiotic depletion potential for fossil resources (ADP-fossils) MJ	3.93E+01	4.98E+00	3.28E+00	MND	0.00E+00	MNR / MND	0.00E+00	1.71E-01	0.00E+00	5.70E-01	-2.13E+00	

Consumption of non-renewable resources, thereby lowering their availability for future generations.

## Resource Use

Note: Values displayed using scientific notation, see Page 7 for more information.

Parameter	Production stage	Construction stage		Use stage			End-of-life stage				D Benefits and loads beyond the boundaries of the system
	A1-A3	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 – B7	C1 De-construction/ demolition	C2 Transport	C3 Waste treatment	C4 Disposal	
Use of renewable primary energy excluding renewable primary energy resources used as raw materials - MJ/FU	7.66E+00	2.90E-01	3.26E+00	MND	0.00E+00	MNR / MND	0.00E+00	9.95E-03	0.00E+00	7.47E-02	-3.09E-01
Use of renewable primary energy resources used as raw materials - MJ/FU	3.30E+00	0.00E+00	-2.44E+00	MND	0.00E+00	MNR / MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of renewable primary energy resources - MJ/FU	1.10E+01	2.90E-01	8.19E-01	MND	0.00E+00	MNR / MND	0.00E+00	9.95E-03	0.00E+00	7.47E-02	-3.09E-01
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials - MJ/FU	4.00E+01	4.99E+00	3.64E+00	MND	0.00E+00	MNR / MND	0.00E+00	1.72E-01	0.00E+00	5.89E-01	-2.29E+00
Use of non-renewable primary energy resources used as raw materials - MJ/FU	3.41E+00	0.00E+00	-3.41E-02	MND	0.00E+00	MNR / MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of non-renewable primary energy resources - MJ/FU	4.34E+01	4.99E+00	3.61E+00	MND	0.00E+00	MNR / MND	0.00E+00	1.72E-01	0.00E+00	5.89E-01	-2.29E+00
Use of secondary materials - kg/FU	0.00E+00	0.00E+00	0.00E+00	MND	0.00E+00	MNR / MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels - MJ/FU	0.00E+00	0.00E+00	0.00E+00	MND	0.00E+00	MNR / MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels - MJ/FU	0.00E+00	0.00E+00	0.00E+00	MND	0.00E+00	MNR / MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water - m <sup>3</sup> /FU	1.35E-02	4.90E-04	1.61E-03	MND	0.00E+00	MNR / MND	0.00E+00	1.68E-05	0.00E+00	1.49E-04	-6.34E-04

## Waste categories

Note: Values displayed using scientific notation, see Page 7 for more information.

	Production stage	Construction stage		Use stage			End-of-life stage				
Parameter	A1-A3	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 – B7	C1 De-construction/ demolition	C2 Transport	C3 Waste treatment	C4 Disposal	D Benefits and loads beyond the boundaries of the system
Hazardous waste disposed - kg	5.62E-07	2.79E-07	6.05E-08	MND	0.00E+00	MNR / MND	0.00E+00	9.58E-09	0.00E+00	1.00E-08	-2.54E-09
Non-hazardous waste disposed - kg	3.63E-01	4.07E-04	2.30E-01	MND	0.00E+00	MNR / MND	0.00E+00	1.40E-05	0.00E+00	2.74E+00	-1.35E-03
Radioactive waste disposed - kg	1.62E-03	6.78E-06	1.26E-04	MND	0.00E+00	MNR / MND	0.00E+00	2.32E-07	0.00E+00	7.91E-06	-4.05E-05

\* There is never radioactive waste from a ROCKWOOL plant (A3), but potentially in its upstream chain (A1 & A2), which is not taken into account here.

## Output flows

	Production stage	Construction stage		Use stage			End-of-life stage				
Parameter	A1-A3	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 – B7	C1 De-construction/ demolition	C2 Transport	C3 Waste treatment	C4 Disposal	D Benefits and loads beyond the boundaries of the system
Component for re-use - kg	0.00E+00	0.00E+00	0.00E+00	MND	0.00E+00	MNR / MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling - kg	0.00E+00	0.00E+00	6.07E-02	MND	0.00E+00	MNR / MND	0.00E+00	0.00E+00	6.08E-02	0.00E+00	0.00E+00
Materials for energy recovery - kg	0.00E+00	0.00E+00	0.00E+00	MND	0.00E+00	MNR / MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported electrical energy - MJ	0.00E+00	0.00E+00	2.71E-01	MND	0.00E+00	MNR / MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported thermal energy - MJ	0.00E+00	0.00E+00	8.16E-01	MND	0.00E+00	MNR / MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00



# Other Information

## Dangerous substances

ROCKWOOL stone wool does not contain substances from the Candidate List of Substances of Very High Concern.

Mineral wool fibres produced by ROCKWOOL are classified as non-hazardous under REACH (Regulation (EC) No 1272/2008 of the European parliament and of the council of 16 December 2008 on classification, labelling and packaging of substances and mixtures).

The ROCKWOOL fibres are registered with REACH under the following definition: "Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the Note Q conditions".

Rockfon products produced in Europe fulfil the Note Q requirements [ref. Note Q]. This is certified by the independent certification body EUCEB. More information on EUCEB can be found at [www.euceb.org](http://www.euceb.org)

The International Agency for Research on Cancer (IARC), part of the World Health Organization, revised its classification of mineral wool fibres in October 2001, including them in Group 3 as an agent "not classifiable as to its carcinogenicity to humans".

## Indoor air

Rockfon stone wool products fulfil the national demands in the EU with regard to emission to indoor climate. Rockfon stone wool products have small impact on emission levels in buildings. Salthammer et al. 2010 notes that "the presence of mineral wool had no influence on the formaldehyde level in the house".

## Instruction for safe installation

Due to the well-known mechanical effect of coarse fibres, mineral wool products may cause temporary skin itching. Mineral wool fibres cannot cause a chemical or allergic reaction.

To diminish the mechanical effect of coarse fibres and avoid unnecessary exposure to mineral wool dust, information on good practice is available on the packaging of all mineral wool products with pictograms and/or written information (see pictograms on this page).



Cover exposed skin. When working in unventilated area wear disposable face mask.



Clean area using vacuum equipment.



Waste should be disposed of according to local



Rinse in cold water before washing.



Ventilate working area if possible.



Wear goggles when working overhead.

## Bibliography

BBSR table "Service lives of components for life cycle assessment according to BNB", available via <http://www.nachhaltigesbauen.de/baustoff-und-gebaeuedaten/nutzungsdauern-von-bauteilen.html>

ECHA PR/19/12 - The Candidate List of substances of very high concern, available via <https://echa.europa.eu/nl/-/four-news-substances-added-to-the-candidate-list>,

EN ISO 717-1:2013, Acoustics — Rating of sound insulation in buildings and of building elements — Part 1: Airborne sound insulation

EN ISO 10848-2:2017, Acoustics — Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms— Part 2: Application to Type B elements when the junction has a small influence

EN 13162:2008, Thermal insulation products for buildings. Factory made mineral wool (MW) products. Specification

EN 13964:2014, Suspended ceilings. Requirements and test methods

EN 16516:2018, Construction products - Assessment of release of dangerous substances - Determination of emissions into indoor air

EUCEB, Website of European Certification Board for mineral wool products: <http://www.euceb.org/>

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GaBi-Dokumentation

Thinkstep AG: GaBi 6 life cycle inventory data documentation, 2018. <http://www.gabisoftware.com/support/gabi/gabi-6-licdocumentation>

ISO 15686 1-11 Series of standards for service life planning.

IBU PCR - Part A - Calculation rules for the Life Cycle Assessment and Requirements on the Background Report, version 1.6, Institut Bauen und Umwelt e.V., [www.bau-umwelt.com](http://www.bau-umwelt.com),

IBU 2017, PCR, Part B - PCR- Part B: Requirements on the EPD for mineral insulating products, Institut Bauen und Umwelt e.V., [www.bau-umwelt.com](http://www.bau-umwelt.com),

Regulation (EC) No 305/2011 CPR - Regulation (EC) No 305/2011 of the European Parliament and of the council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC. <https://eurlex.europa.eu/legalcontent/EN/TXT/?uri=celex%3A32011R0305>.

Regulation (EC) No 1272/2008 - REACH

Regulation (EC) No 1272/2008 of the European Parliament and of the council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

Rockfon® is a registered trademark  
of the ROCKWOOL Group.

06:2021 | All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on license from NCS Colour AB, Stockholm 2012 or the RAL colour standard. Subject to alterations in range and product technology without prior notice. Rockfon accepts no responsibility for printing errors.



Rockfon

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CertMatCon

# CERTIFICAT DE CONFORMITATE

Nr. de înregistrare

16 C002143-23

Data emiterii: 19 ianuarie 2023

Valabil pînă la: 18 ianuarie 2024

**ORGANISMUL DE CERTIFICARE**

CERTMATCON mun. Chișinău, str. Uzinelor, 4/2, etaj 4, of. 4, MD2023, tel. 022-903-001; cell. 078-191-001,  
e-mail: [office@certmatcon.md](mailto:office@certmatcon.md), [WWW.CERTMATCON.MD](http://WWW.CERTMATCON.MD).

PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL, CĂ PRODUSELE IDENTIFICATE ASTFEL:

**DENUMIREA / DESCRIEREA**

Structură și accesorii din oțel pentru montarea tavanelor suspendate.

Codul NCM 7308
-------------------

**SÎNT CONFORME CU CERINȚELE STABILITE ÎN :**

RNI 06-5.3.35:2001 pct. 2.2; SM EN 13964:2015.

**PRODUCĂTOR**

"China Top Building Materials International Co." Ltd., China.

Codul țării CN
-------------------

**SOLICITANT**

"PEISAJ-ART" S.R.L.,  
bd. Ștefan cel Mare, 64-24, mun. Chișinău, Republica Moldova.

Codul IDNO 1004600020153
-----------------------------

**CERTIFICATUL ESTE ELIBERAT ÎN BAZA**

Raport de evaluare final Nr. 108 din 18.01.2023 eliberat de OC "CertMatCon", mun. Chișinău, str. Uzinelor, 4/2, etaj 4, of. 4, MD 2023; Certificat Nr. IN-SH-6204-10164-1 DIN 18.09.2019, eliberat de SGS-CSTC Standards Technical Services Co. Ltd., filiala Shanghai, membru SGS Group SA, Elveția. Raport de încercări Nr. 173/7 din 17.01.2023, eliberat de Centrul de Încercări, Expertiză și Cercetare (CÎEC) din Cadrul "CertMatCon" SRL, mun. Chișinău, str. Feredeului, 12, MD 2005, certificat de acreditare Nr. LÎ-101 valabil pînă la 11.07.2025, eliberat de CNA "MOLDAC".

**INFORMAȚIE SUPLIMENTARĂ:**

Certificare voluntară. Certificatul este valabil doar în cazul asigurării cu informație în limba de stat la fiecare ambalaj/unitate de produs conform legislației în vigoare.

Contract de prestări servicii Nr. 88/2022 din 15.06.2022.

Seria V N 000946



Conducătorul OC

PUHA Ion

**În atenția antreprenorilor și organelor de control!**  
Copiile certificatelor de conformitate se legalizează în modul stabilit de  
OC „CERTMATCON“, informații pe [www.certmatcon.md](http://www.certmatcon.md)  
Falsificarea certificatelor se pedepsește conform legislației





## UNIKA





### GRES PORCELLANATO A MASSA COLORATA / FULL BODY COLORED PORCELAIN TILES

CLASSIFICAZIONE SECONDO NORME UNI EN 14411 (ISO 13006) ALLEGATO G-Gruppo BIA GL

CLASSIFICATION IN ACCORDANCE WITH UNI EN 14411 (ISO 13006) ANNEX G-Group BIA GL

9 mm: 60x120 (24"x48") rett, antique | 30x120 (12"x48") rett. | 60x60 (24"x24") nat, rett, antique, bocc. rett. | 30x60 (12"x24") rett. | 20x40 (8"x16") bocc. nat.

PROPRIETÀ FISICO-CHIMICHE PHYSICAL-CHEMICAL PROPERTIES	NORMA NORM	VALORE PRESCRITTO DALLE NORME VALUE PRESCRIBED FROM THE NORMS	NAT	BOCC.	OUT.20
LUNGHEZZA E LARGHEZZA DIMENSIONE MEDIA DI OGNI PIASTRELLA LENGTH AND WIDTH OF THE AVERAGE-SIZES TILE	UNI EN ISO 10545/2	± 0,5%		CONFORME ACCORDING	
SPESSORE THICKNESS	UNI EN ISO 10545/2	± 5%		CONFORME ACCORDING	
RETTILINEARITÀ SPIGOLI WARPAGES OF EDGES	UNI EN ISO 10545/2	± 0,5%		CONFORME ACCORDING	
ORTOGONALITÀ WEDGING	UNI EN ISO 10545/2	± 0,6%		CONFORME ACCORDING	
PLANARITÀ FLATNESS	UNI EN ISO 10545/2	± 0,5%		CONFORME ACCORDING	
ASSORBIMENTO D'ACQUA WATER ABSORPTION	UNI EN ISO 10545/3	E ≤ 0,5%		CONFORME ACCORDING	
RESISTENZA ALLA FLESSIONE BENDING STRENGTH	UNI EN ISO 10545/4	≥ 35 N/mm <sup>2</sup>	9 mm: ≥ 45 N/mm <sup>2</sup>	9 mm: ≥ 45 N/mm <sup>2</sup>	20 mm: ≥ 50 N/mm <sup>2</sup>
FORZA DI ROTTURA BREAKING STRENGTH	UNI EN ISO 10545/4	< 7,5 mm: ≥ 700 N ≥ 7,5 mm: ≥ 1300 N	CONFORME ACCORDING	CONFORME ACCORDING	≥ 20000 N
RESISTENZA ALL'ABRASIONE SUPERFICIALE PER PIASTRELLE SMALTATE ABRASION RESISTANCE FOR GLAZED TILES	UNI EN ISO 10545/7	IN FUNZIONE DELLA DESTINAZIONE D'USO ACCORDING TO THE DESTINATION OF FINAL USE		CONFORME ACCORDING	
RESISTENZA AGLI SBALZI TERMICI THERMAL SHOCK RESISTANCE	UNI EN ISO 10545/9	RICHIESTA REQUIRED		RESISTE RESISTS	
RESISTENZA AL GELO FROST RESISTANCE	UNI EN ISO 10545/12	RICHIESTA REQUIRED		INGELIVO FROST PROOF	
RESISTENZA ALL'ATTACCO CHIMICO CHEMICAL RESISTANCE	UNI EN ISO 10545/13	MIN GB		CONFORME ACCORDING	
RESISTENZA ALLE MACCHIE RESISTANCE TO STAINING	UNI EN ISO 10545/14	GL: CLASSE 3 MIN		CONFORME ACCORDING	
RESISTENZA ALLO SCIVOLAMENTO SLIP RESISTANCE	B.C.R.A. C.A.	μ 0,19 SCIVOLOSITÀ PERICOLOSA - DANGEROUSLY SLIPPERY 0,20 < μ < 0,39 SCIVOLOSITÀ ECCESSIVA - EXCESSIVELY SLIPPERY 0,40 < μ < 0,74 ATTRITO SODDISFACENTE - SATISFACTORY GRIP μ 0,75 ATTRITO ECCELLENTE - EXCELLENT GRIP	> 0,40	> 0,40	> 0,40
	B.C.R.A. G.B.		> 0,40	> 0,40	> 0,40
	ASTM C 1028 (S.C.O.F.)	SLIP RESISTANT (> 0,60)	> 0,60 DRY	> 0,60 DRY	> 0,60 DRY
			> 0,60 WET	> 0,60 WET	> 0,60 WET
	DIN 51130	IN FUNZIONE DELL'AMBIENTE O DELLA ZONA DI LAVORO BASING ON THE ENVIRONMENT OR THE WORKING AREA	R10	R11	R11
	DIN 51097	-	A+B	A+B+C	A+B+C
ANSI A 137-1:2012	≥ 0,42	> 0,42	> 0,42	> 0,42	

VARIAZIONE CROMATICA SHADE VARIATION	V3	 aspetto uniforme uniform appearance V1	 lieve variazione slight variation V2	 moderata variazione moderate variation V3	 forte variazione substantial variation V4
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brand of ABK Group  
Industrie Ceramiche S.p.A

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R.E.A. 265395 Modena  
Reg. Soc. Trib. Modena N. 36417  
Codice Fiscale e Partita IVA IT 02097380360