

ROCKWOOL 800

Cochilii izolatoare din vată minerală bazaltică cașerate cu folie de aluminiu.

Domeniu de aplicare

Rockwool 800 sunt cochilii izolatoare din vată minerală bazaltică, hidrofobizate în masă, cașerate. Au formă cilindrică, cu tăietură pe toată secțiunea longitudinală. La diametre mari, sunt formate din două jumătăți de cilindru. Cochiliile Rockwool 800 sunt cașerate cu folie de aluminiu ranforsată cu plasă de fibră de sticlă. Folia este prevăzută cu bandă autoadezivă pe toată lungimea tăieturii, suprapusă peste îmbinare. Pentru a ușura asamblarea, cochilia este crestată în unul până la trei puncte în interior. În conformitate cu standardele europene, recomandăm strângerea longitudinală a cochiliilor cu bandă de aluminiu sau sârmă în 2-3 puncte pe fiecare metru de cochilie.

Cochiliile sunt ambalate în cutii de carton. Pe eticheta produsului sunt menționate caracteristicile principale.



Proprietățile vatei bazaltice ROCKWOOL

➤ Termoizolare, protecție la foc, protecție împotriva propagării flăcărilor, protecție fonică.

➤ Plăci hidrofobizate; permeabile la vapori; stabile dimensional; rezistente la mediu alcalin.

➤ Produse minerale, rezistente la acțiunea dăunătorilor, nu dăunează sănătății.

Dimensiuni, gamă de produse și ambalare

Diametru intern (mm)	15, 18, 22, 28, 35, 42, 48, 54, 60, 64, 70, 76, 89, 108, 114, 133, 140, 159, 169, 194, 219, 273
Grosimea izolației (mm)	20, 30, 40, 50, 60, 70, 80, 100
Lungimea (mm)	1000

Număr de cochilii în cutie

Grosime izolație (mm)	20	30	40	50	60	70	80	100
Diametru intern (mm)	Cod produs / număr cochilii în cutie (buc)							
15	32032/ 48	109062/ 25	217592/ 16	—	—	—	—	—
18	32033/ 42	109060/ 25	217593/ 12	—	—	—	—	—
22	32034/ 36	109051/ 20	17475/ 13	16211/ 9	20059/ 6	—	—	—
28	32035/ 30	32036/ 20	17479/ 12	16212/ 9	18060/ 6	—	—	—
35	32037/ 25	32038/ 16	17467/ 9	17468/ 7	18061/ 5	—	—	—
42	32039/ 20	32040/ 12	32041/ 9	14566/ 6	19417/ 4	—	—	—
48	14567/ 16	109056/ 12	32042/ 9	14569/ 6	16421/ 4	—	—	—
54	74248/ 16	74256/ 10	74251/ 8	74253/ 5	19065/ 4	—	—	—
60	14573/ 12	14574/ 9	14575/ 6	14772/ 5	266975/ 1	—	—	—
64	229813/ 12	229816/ 9	229818/ 6	229819/ 4	266978/ 1	—	—	—
70	—	229822/ 8	229825/ 5	21734/ 4	266980/ 1	27686/ 1	—	—
76	—	16788/ 7	16789/ 5	16790/ 4	266981/ 1	266982/ 1	—	—
89	—	16791/ 6	229829/ 4	266984/ 1	266985/ 1	266986/ 1	266987/ 1	16040/ 1
108	—	267587/ 4	229833/ 1	267377/ 1	267378/ 1	267623/ 1	267380/ 1	14602/ 1
114	—	267588/ 4	229909/ 1	229910/ 1	229836/ 1	267431/ 1	29581/ 1	15945/ 1
133	—	229838/ 1	229841/ 1	266996/ 1	266997/ 1	28669/ 1	15950/ 1	15951/ 1
140	—	229844/ 1	267000/ 1	267001/ 1	267221/ 1	21958/ 1	17915/ 1	16013/ 1
159	—	—	—	267068/ 1	16722/ 1	17661/ 1	19233/ 1	15954/ 1
169	—	—	—	267220/ 1	29582/ 1	68597/ 1	29583/ 1	20686/ 1
194	—	—	—	—	—	—	—	18132/ 1
219	—	—	—	—	—	—	—	16006/ 1
273	—	—	—	—	—	—	—	16005/ 1

Parametri tehnici

Proprietate	Simbol	Valoare				U.M.	Standard
Reacția la foc	---	A2s1, d0				---	EN 13501-1
Raportul între coeficientul de conductibilitate termică λ_m și temperatură t_m	t_m	10	50	100	150	°C	EN 14303
	λ_m	0.033	0.037	0.044	0.052	W·m ⁻¹ ·K ⁻¹	
Densitate	ρ_a	100				kg·m ⁻³	EN 1602
Absorbția pe termen scurt a apei	WS	≤ 1				kg·m ⁻²	-
Temperatura de lucru	-	≤ +250				°C	-
Temperatura la exterior	-	max. 100				°C	-
Căldură specifică	c_p	1030				J·kg ⁻¹ ·K ⁻¹	EN 12524
Punct de topire	t_t	>1000				°C	DIN 4102
Conținutul de ioni clorurați solubili în apă:	-	≤10				ppm	-
Certificate	CE: 0751-CPR.2-039.2-01, 0751-CPR.2-039.1-01, 0751-CPD.2-008.0-03						
Sistem de management al calității	ISO 9001:2008 – certificat nr. CZ007260-1						
Sistem de management al mediului	ISO 14001:2004- certificat nr. CZ007261-1						

ROCKWOOL România Srl

Șos. București Ploiești Nr 1A, Clădirea C, Etaj 1, 013681, Sector 1, București, România tel: + 40 212 334 440
www.rockwool.ro

Rockwool 800 Pipe Section

1. Unique identification code of the product-type: MW-EN 14303- T9(T8ifDo<150)-ST(+)-250-WS1-MV2-CL10
2. Type and serial number allowing identification of the product: see product label
3. Intended use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: Thermal insulation of buildings.
4. Name, registered trade name or trade mark and contact address of the manufacturer as required under article 11(5) :
DEUTSCHE ROCKWOOL
Mineralwool GmbH & Co. OHG
Rockwool Straße 37-41
45966 Gladbeck
Deutschland
5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2) and where the DoP can be found on website:
dop.rockwool.com:
ROCKWOOL International A/S
Hovedgaden 584
2640 Hedehusene
Dänemark
6. Systems of assessment and verification of constancy of performance of the construction as set out in CPR, Annex V: System 1+3
7. Notified Certification body FIW in Munich (no. 0751) performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance according system 1 and all applicable certificates.
8. (not applicable)
9. Declared performance according Table 1 and 2:

Table 1

Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Performance	Unit	hEN
Reaction to fire	4.2.4 Reaction to fire	A2 _s ,s1-d0	-	Harmonized standard DIN EN 14303:2009+A1:2013
Acoustic absorption index	4.3.8 Sound absorption	NPD ^{a)}	-	
Thermal resistance	4.2.1 Thermal conductivity	siehe Tab.2	W/(m·K)	
	4.2.2 Thickness	T9(T8ifDo<150)	mm	
Water permeability	4.3.5 Water absorption	≤1	kg/m ²	
Water vapour permeability	4.3.6 Water vapour diffusion equivalent air	NPD ^{a)}	-	
Compressive strength	4.3.4 Compressive strength at 10% deformation	NPD ^{a)}	-	
Rate of release of corrosive substances	4.3.7 Trace quantities of water-soluble chloride ions and pH-value	10	ppm	
Release of dangerous substances	4.3.9 Trace quantities of water-soluble chloride ions:	NPD ^{a)}	-	
Continuous glowing combustion	4.3.10 Continuous glowing combustion	NPD ^{a)}	-	
Durability of reaction to fire against ageing/degradation	4.2.5 Durability ^{b)}	NPD ^{a)}	-	
Durability of thermal resistance against ageing/degradation	4.2.1 Thermal conductivity ^{c)}	NPD ^{a)}	-	
	4.2.2 Thickness	NPD ^{a)}	-	
	4.2.3 Dimensional stability	NPD ^{a)}	-	
	4.3.2 Maximum service temperature	NPD ^{a)}	-	
	4.2.5 Durability	NPD ^{a)}	-	
Durability of reaction to fire against high temperature	4.2.5 Durability ^{d)}	NPD ^{a)}	-	
Durability of thermal resistance against high temperature	4.2.5 Durability ^{c)}	250	°C	
	4.3.2 Maximum service temperature			

^{a)} The requirement for a certain characteristic is not applicable in countries where there is no legal provision for these requirement or for the intended purpose of the use of the product. In this situation it is for manufacturers who introduce their products not required to determine or to mention the performances of their products. In this case, 'NPD' (No Performance Determined) should be used in the CE marking (see ZA.3). The NPD option is not allowed if a property is to specify a limit value (thermal resistance (thermal conductivity and thickness)). ^{b)} The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time. ^{c)} Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air. ^{d)} The fire performance of mineral wool products does not deteriorate in case of high temperatures. The Euroclass classification of the product is related to the organic content, which stays stable or decreases when high temperatures occur.

^{a)}NPD = No Performance Determined

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Rockwool 800 Pipe Section

Table 2

Produkt	Kurve	Produkt	Kurve	Produkt	Kurve	Produkt	Kurve	Produkt	Kurve
Rockwool 800	15/20	1 Rockwool 800	54/20	1 Rockwool 800	89/20	1 Rockwool 800	140/30	1 Rockwool 800	219/30
Rockwool 800	15/30	1 Rockwool 800	54/30	1 Rockwool 800	89/30	1 Rockwool 800	140/40	1 Rockwool 800	219/40
Rockwool 800	18/20	1 Rockwool 800	54/40	1 Rockwool 800	89/40	1 Rockwool 800	140/50	1 Rockwool 800	219/50
Rockwool 800	18/30	1 Rockwool 800	54/50	1 Rockwool 800	89/50	1 Rockwool 800	140/60	1 Rockwool 800	219/60
Rockwool 800	18/40	1 Rockwool 800	54/60	2 Rockwool 800	89/60	1 Rockwool 800	140/70	2 Rockwool 800	219/70
Rockwool 800	22/20	1 Rockwool 800	54/100	2 Rockwool 800	89/70	1 Rockwool 800	140/80	2 Rockwool 800	219/80
Rockwool 800	22/30	1 Rockwool 800	57/20	1 Rockwool 800	89/80	1 Rockwool 800	140/100	2 Rockwool 800	219/100
Rockwool 800	22/40	1 Rockwool 800	57/30	1 Rockwool 800	89/100	2 Rockwool 800	140/120	2 Rockwool 800	219/120
Rockwool 800	22/60	2 Rockwool 800	57/40	1 Rockwool 800	102/20	1 Rockwool 800	159/30	1 Rockwool 800	245/40
Rockwool 800	28/20	1 Rockwool 800	57/50	1 Rockwool 800	102/30	1 Rockwool 800	159/40	1 Rockwool 800	245/50
Rockwool 800	28/30	1 Rockwool 800	57/60	2 Rockwool 800	102/40	1 Rockwool 800	159/50	1 Rockwool 800	245/60
Rockwool 800	28/40	1 Rockwool 800	60/20	1 Rockwool 800	102/50	1 Rockwool 800	159/60	2 Rockwool 800	273/30
Rockwool 800	28/50	1 Rockwool 800	60/30	1 Rockwool 800	102/60	1 Rockwool 800	159/70	2 Rockwool 800	273/40
Rockwool 800	28/60	2 Rockwool 800	60/40	1 Rockwool 800	102/70	2 Rockwool 800	159/80	2 Rockwool 800	273/50
Rockwool 800	35/20	1 Rockwool 800	60/50	1 Rockwool 800	102/80	1 Rockwool 800	159/100	1 Rockwool 800	273/60
Rockwool 800	35/30	1 Rockwool 800	60/60	1 Rockwool 800	102/100	2 Rockwool 800	169/30	1 Rockwool 800	273/70
Rockwool 800	35/40	1 Rockwool 800	60/80	2 Rockwool 800	108/30	1 Rockwool 800	169/40	1 Rockwool 800	273/80
Rockwool 800	35/50	1 Rockwool 800	64/20	1 Rockwool 800	108/40	1 Rockwool 800	169/50	1 Rockwool 800	273/100
Rockwool 800	35/60	2 Rockwool 800	64/30	1 Rockwool 800	108/50	1 Rockwool 800	169/60	2 Rockwool 800	301/30
Rockwool 800	35/70	2 Rockwool 800	64/40	1 Rockwool 800	108/60	1 Rockwool 800	169/70	2 Rockwool 800	305/40
Rockwool 800	42/20	1 Rockwool 800	64/50	1 Rockwool 800	108/70	1 Rockwool 800	169/80	2 Rockwool 800	305/50
Rockwool 800	42/30	1 Rockwool 800	64/60	1 Rockwool 800	108/80	2 Rockwool 800	169/100	2 Rockwool 800	305/70
Rockwool 800	42/40	1 Rockwool 800	64/70	1 Rockwool 800	108/100	2 Rockwool 800	169/120	2 Rockwool 800	324/40
Rockwool 800	42/50	1 Rockwool 800	70/20	1 Rockwool 800	114/30	1 Rockwool 800	178/60	2 Rockwool 800	324/50
Rockwool 800	42/60	2 Rockwool 800	70/30	1 Rockwool 800	114/40	1 Rockwool 800	191/30	2 Rockwool 800	324/70
Rockwool 800	42/80	2 Rockwool 800	70/40	1 Rockwool 800	114/50	1 Rockwool 800	194/30	2 Rockwool 800	324/80
Rockwool 800	48/20	1 Rockwool 800	70/50	1 Rockwool 800	114/60	1 Rockwool 800	194/50	2 Rockwool 800	356/40
Rockwool 800	48/30	1 Rockwool 800	70/60	1 Rockwool 800	114/70	1 Rockwool 800	194/60	2 Rockwool 800	368/40
Rockwool 800	48/40	1 Rockwool 800	70/70	2 Rockwool 800	114/80	2 Rockwool 800	194/80	2 Rockwool 800	406/40
Rockwool 800	48/50	1 Rockwool 800	76/20	1 Rockwool 800	114/100	2 Rockwool 800	194/100	2	
Rockwool 800	48/60	2 Rockwool 800	76/30	1 Rockwool 800	133/30	1 Rockwool 800	205/30	2	
Rockwool 800	48/100	2 Rockwool 800	76/40	1 Rockwool 800	133/40	1			
		Rockwool 800	76/50	1 Rockwool 800	133/50	1			
		Rockwool 800	76/60	1 Rockwool 800	133/60	1			
		Rockwool 800	76/70	1 Rockwool 800	133/70	2			
		Rockwool 800	76/80	1 Rockwool 800	133/80	2			
				Rockwool 800	133/100	2			
				Rockwool 800	133/120	2			

Curve 1

10 °C	50 °C	100 °C	150 °C
0,033 W/(m·K)	0,037 W/(m·K)	0,044 W/(m·K)	0,052 W/(m·K)

Curve 2

10 °C	50 °C	100 °C	150 °C
0,034 W/(m·K)	0,039 W/(m·K)	0,046 W/(m·K)	0,056 W/(m·K)

10. The performance of the product identified in point 1 and 2 is in conformity with the declared performance in point 9, table 1. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Gladbeck, 1st of July, 2013

Signed for and on behalf of the manufacturer by:



Volker Christmann
Geschäftsführer (Vors.)



Rob Meevis
Geschäftsführer

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