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STOCKMEIER
URETHANES

Stobielast® S131.87

Product description:

Solvent free moisture curing one component polyurethane binder with good long-term elasticity. **Stobielast® S131.87** is designed for the production of elastic layers for sport surfaces. Improved open time formulation.

Main recommended use: Porous Sport System with EPDM topping.

Typical properties :

Appearance DIN 52002	Light brown/yellow liquid
Density [g/cm ³] at 20°C DIN 53217	1.07
Viscosity [mPa.s] at 20°C DIN 53018/1+2	4700

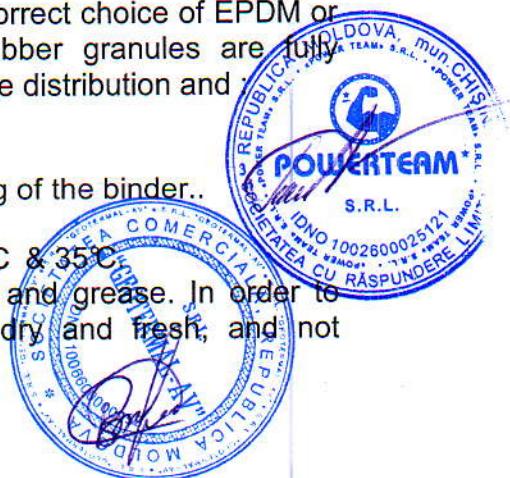
Field of application:

To lay rubber surfaces, with a paving machine; the rubber granules must be mixed thoroughly with the binder in an appropriate mixer during 3 at 5min. The quality of the finished surface depends also on the correct choice of EPDM or SBR rubber granules used. Ensure that the rubber granules are fully compatible with the glue; dry and having a regular size distribution and :

- ☞ The lowest dust content.
- ☞ A low amount of fine particles.

Unsuitable rubbers will reduce, or even prevent curing of the binder..

The air & ground temperature must be between +10°C & 35°C. The substrate must be dry and free from dust, oil and grease. In order to obtain optimum adhesion, the primer should be dry and fresh, and not effected by the rain.



1 / 2

The film is not UV-light resistant and it can cause the change of colour by using light EPDM granules.

Curing profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Higher temperatures and moisture will shorten the cure time. The surface can be walked on after 36 - 48 hours at 20°C. Full curing is achieved after 3 – 5 days. The temperature must not fall below 10°C during curing.

Precaution :

Material safety data sheet should be read very carefully before use. Primer should be chosen according to the underground.

Packaging :

220 kg drums. Others size on request.

Storage life:

The product must be protected against humidity. Do not store at temperature below + 10°C and above 30°C. 15 – 25°C is the most favourable storage temperature.

Stability :

Original closed drums stored between 10 – 30°C; protected against frost and humidity; storage stability 6 months .



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Stobielast® S100.00

Product description:

A low viscosity, moisture curing one component polyurethane primer with good long term elasticity. The material contains solvent.

Stobielast® S 100.00 is designed for treating asphalt and concrete surfaces.

Typical properties at 20°C:

Viscosity [mPa.s] at 20°C DIN 53018/1+2	25 ± 10
Flash point °C DIN 52 785	32

Curing:

Curing takes place at ambient temperature by evaporation of the solvent and reaction with atmospheric moisture. Higher temperatures and moisture will shorten the cure time. The next coat made of rubber granules and binder (for example) is applied when the primer is tacky. Do not wait complete curing of the primer. In order to use this primer for compact systems with two components elastomers, it is necessary to wait for the evaporation of the solvent and the beginning of the curing.

Application guidelines:

The surface will be clean, dry and free from grease. Temperature should not fall below + 10°C .

Application:

The application is done by airless or low-pressure spray equipment. Using a brush or a roller is also an alternative.

The surface can be over coated while the primer is still tacky.



Material consumption :

0,1 – 0,2 kg/m². Exact quantities depend on surface type.

Precaution:

Material safety data sheet should be red very carefully before use.

Packaging:

200 kg drums. Other sizes on request.

Storage life:

The product must be protected against humidity. Do not store at temperature below + 10°C and above 30°C. 15 – 25°C is the most favourable storage temperature.

Stability :

Original closed drums stored between 10 – 30°C; protected against frost and humidity : storage stability 6 months .

This product complies with Directive 2004/42/EC on the limitation of emissions of Volatile Organic Compounds due to the use of organic solvents in certain paints and varnishes.

EU limit value for this product (cat. A / j): 550 g / l (2007) -500 g / l (2010):

This product contains max 500 g / l VOC.

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S100_gb 05 2014

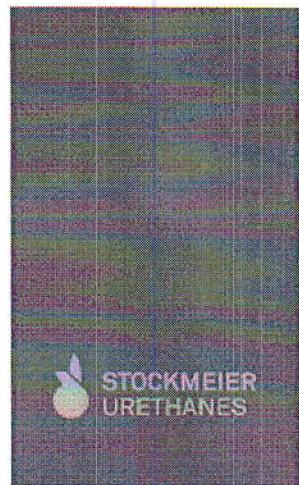
2/2



Descrierea procedeului de fabricație a sistemului Alsatan® P

Sistemul Alsatan® P este un sistem poroas multifuncțional care poate fi de diferite grosimi (de exemplu 8+8 mm sau 10 + 10 mm)

Descrierea detaliata pentru consumul individual de produse si de cauciuc pot fi regasite in Fisa produsului si Fisa tehnica a produsului Alsatan® P, pentru fiecare produs in parte.
Toate informatiile din Fisa tehnica a fiecarui produs trebuie respectate. Acest document este creat ca un ghid sumar.



Procesul de fabricatie se realizeaza in 3 pasi :

1) Pregătirea suprafeței / aplicarea amorsei: Suprafața (piatra concasata sau asfalt) trebuie să fie curata și uscata. Pentru piatra nu este nevoie de amorsaj. Asfaltul sau betonul trebuie amorsate. Primerul **Stobielast® S 100.00** se aplică cu echipament corespunzător de pulverizare in vid. **Stratul de bază trebuie să fie adaugat (etapa 2), în timp ce amorsa este inca lipiciosa (în stadiul umed).** Stratul de baza trebuie sa fie adaugat in maximum 24 de ore de la aplicarea amorsei, iar timpul de asteptare pentru solidificarea lui poate fi intre 3-5 ore, in functie de temperatura si umiditate.

Notă : Ploaia poate determina pierderi in calitatea amorsei!
În cazul în care amorsa a fost afectata de ploi, stratul de bază nu va trebui să fie adaugat! In schimb, betonul trebuie să se usuce și aplicarea amorsei trebuie repetata.

2)Stratul de baza : Granulele de cauciuc (cauciuc reciclat) și liantul **Stobielast® S 135.00 sau Stobielast® S 133.00** sunt amestecate într-o mașină specială (detaliile despre raportul de amestecare se gasesc in fișa produsului Alsatan® P). Amestecul este apoi transportat pe teren cu o masina speciala. Amestecul este apoi pavat cu o mașină de pavaj adecvata sau manual. Pentru a se asigura netezirea suprafeței, aceasta trebuie sa fie indreptata cu echipament de rulare adecvat și / sau compactat sau cu mistria încălzita. In functie de tempertaura si umiditate intarirea stratului de baza dureaza intre 12-48 ore. Dupa acest interval se poate aplica stratul de uzura.

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3) Stratul de uzura: Granulele de cauciuc (cauciuc reciclat) și liantul **Stobielast® S 135.00 sau Stobielast® S 133.00** sunt amestecate într-o mașină specială (detaliile despre raportul de amestecare se gasesc în fișa produsului Alsatan® P) . Amestecul este apoi transportat pe teren cu o masina speciala. Amestecul este apoi pavat cu o mașină de pavaj adecvata sau manual. Pentru a se asigura netezirea suprafatei, aceasta trebuie să fie îndreptat cu echipament de rulare adekvat și / sau compactat sau cu mistria încălzita. În funcție de temperatură și umiditate întarirea stratului de uzura durează între 12-48 ore.

Notă: Standardele MDI sau MDI /TDI nu sunt o garanție pentru rezistența liantilor la lumină și ar putea duce la schimbări de culoare nedorite ale suprafeței atunci când sunt instalati împreună cu cauciucul EPDM de culori sensibile (lumina). Pentru a evita acest lucru, vă recomandăm să instalați stratul de uzură cu lianții rezistenți la lumină, cum ar fi **Stobielast® S 151.99**. De asemenea, va rugam să consultați regulamentul nostru cu privire la utilizarea de lianții rezistenți la lumină sau serviciul nostru tehnic de relații cu clientii.



Kolorowy granulat EPDM Virgin <i>EPDM Virgin Coloured Granules</i>		Wydanie <i>Edition</i>	Data aktualizacji <i>Updated</i>		
Zastosowanie <i>Application</i>	Nawierzchnie sportowe tj. boiska, bieżnie, korty tenisowe, bezpieczne place zabaw, podłogi, posadzki (w zależności od frakcji). <i>Depending on the grain size: sport fields, small pitches, running tracks, tennis courts, playgrounds, swimming pools, terraces, indoor and outdoor flooring systems</i>			2	09.06.2017
Typ materiału <i>Type of material</i>	Mieszanka na bazie kauczuków typu EPDM. <i>Rubber EPDM</i>				
Kolor <i>Color</i>	24 standardowe kolory. <i>Avaible in 24 standard colours.</i>				
Frakcja* <i>Grain size *</i>	1– 3,5 mm				
Właściwości fizyczne i chemiczne: <i>Physical and chemical properties:</i>	Wartość <i>Value</i>	Jednostka <i>Unit</i>	Norma <i>Standard</i>		
Wytrzymałość na rozciąganie <i>Tensile strength</i>	> 3,0	MPa	PN-ISO 37		
Wydłużenie w chwili zerwania <i>Elongation at break</i>	> 400	%	PN-ISO 37		
Twardość <i>Hardness</i>	60 ± 5	ShA	PN-EN ISO 868		
Gęstość (ciężar właściwy) <i>Density</i>	1,59 ± 0,05	g/cm ³	PN-ISO 2781		
Ciężar nasypowy <i>Bulk density</i>	<700	g/dm ³	PN-EN ISO 60		
Zawartość kauczuku <i>Polymer content</i>	> 20,0	%	-		
Trwałość koloru <i>Colour fastness</i>	5 – 4**	Skala szarości <i>Grey scale</i>	DIN EN 20105-A02		
Analiza sitowa: <i>Sieve analysis:</i>					
Granulki poniżej 1 mm <i>Granules below 1 mm</i>	Max 0,6	%	PN-ISO 2591-1		
Granulki powyżej 3,5 mm <i>Granules above 3,5 mm</i>	Max 3,5	%			
Pozostałe właściwości: <i>Other:</i>					
Kształt <i>Shape</i>	Mieszanina różnych kształtów, cząsteczki sześciokątne (kubiczne, heksagonalne). <i>Mixture of different size, cubical particles.</i>				
Opakowanie <i>Packaging</i>	Worki wentylowe à 25 kg lub Big-Bag à 1 000 kg na drewnianych paletach o wymiarach 1 000 x 1 200 mm. <i>PE valve sacks 25 kg each or big bags 1000 kg placed on a wooden pallet of dimension of 100x120cm.</i>				
Palność <i>Flammability</i>	Na życzenie produkt dostępny w klasie niepalności Cn – s1. <i>Availble in class Cn – s1.</i>				
Uwagi <i>Attention</i>	Zalecamy stosowanie alifatycznych żywic poliuretanowych w celu uniknięcia ewentualnych odbarwień nawierzchni po czasie ekspozycji na promienie słoneczne. <i>We recommend using of aliphatic resins/binders because of the possibility of discoloration on the surface after exposure to sunlight.</i>				

*Na życzenie Klienta możliwe jest wykonanie innej frakcji granulatu.

**Zależnie od koloru: 5 – bez zmian, 4 – drobna zmiana.

Wszystkie dane techniczne zawarte w tym dokumencie są oparte na bieżącej analizie średnich wartości produkowanych granulatów i przedstawione by pomóc naszym Klientom w doborze odpowiedniego produktu do finalnego zastosowania. Firma Unirubber Sp. z o.o. nie ponosi odpowiedzialności za niesatyfakcjonujące wyniki przetwórstwa, ponieważ warunki procesów są poza naszą kontrolą.

*Other grain sizes on request.

**Depending on color: 5 – no change, 4 – minor change.

All technical data shown in this specification are based on the current analysis of mean value of the produced granulates. And are intended to help our customers in the choice of final application of the granulates. Unirubber Sp. z o.o. does not bear responsibility for unsatisfactory results of processing as the processing conditions are beyond our control. All technical data shown in this specification are based on the current analysis of mean value of the produced granulates. And are intended to help our customers in the choice of final application of the granulates. Unirubber Sp. z o.o. does not bear responsibility for unsatisfactory results of processing as the processing conditions are beyond our control.



Imię i nazwisko <i>Name</i>	Marcin Marczak	Stanowisko <i>Position</i>	Koordynator ds. Technologii <i>Technology Coordinator</i>	Data <i>Date</i>	09.06.2017
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Stobielast® S131.09

Product description:

Solvent free moisture curing **Shockpad Binder** with good long-term elasticity.
Stobielast® S131.09 is designed for the production of base layers for sport surfaces, using a 'paver'. Soft binder with an improved 'open time'.
 Use: **ALSATAN® EL** shock pads type for artificial grass.

Typical properties :

Appearance DIN 52002	Light amber liquid
Density [g/cm³] at 20°C DIN 53217	ar.1.08
Viscosity [mPa.s] at 20°C DIN 53018/1+2	4600 ± 1000

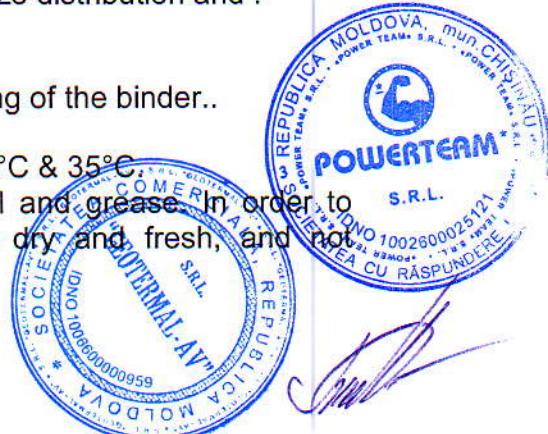
Field of application:

To lay rubber surfaces, with a paving machine; the rubber granules must be mixed thoroughly with the binder in an appropriate mixer during 3 at 5min. The quality of the finished surface depends also on the correct choice of EPDM or SBR rubber granules used. Ensure that the rubber granules are fully compatible with the glue; dry and having a regular size distribution and :

- ☞ The lowest dust content.
- ☞ A low amount of fine particles.

Unsuitable rubbers will reduce, or even prevent curing of the binder..

The air & ground temperature must be between +10°C & 35°C.
 The substrate must be dry and free from dust, oil and grease. In order to obtain optimum adhesion, the primer should be dry and fresh, and not affected by the rain.



1/2

Curing profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Higher temperatures and moisture will shorten the cure time. The surface can be walked on after 24 - 36 hours at 20°C. Full curing is achieved after 3 – 5 days. The temperature must not fall below 10°C during curing. The cured film is not UV-light resistant and it can cause the change of colour by using light EPDM granules.

Precaution :

Material safety data sheet should be read very carefully before use. Primer should be chosen according to the underground.

Packaging :

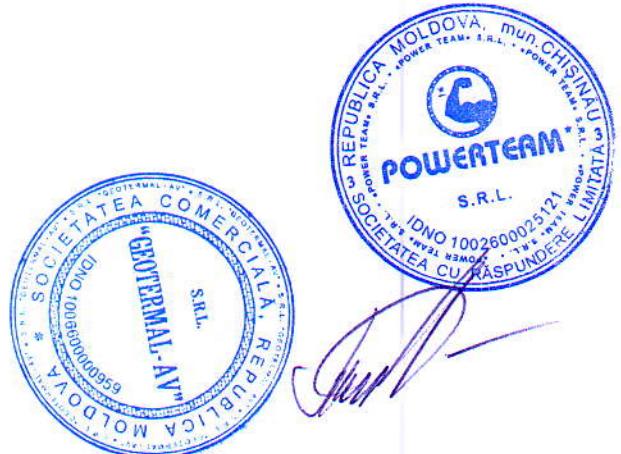
220 kg drums. Others size on request.

Storage life:

The product must be protected against humidity. Do not store at temperature below + 10°C and above 30°C. 15 – 25°C is the most favourable storage temperature.

Stability :

Original closed drums stored between 10 – 30°C; protected against frost and humidity : storage stability 6 months .



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Stobielast® S166

Product description:

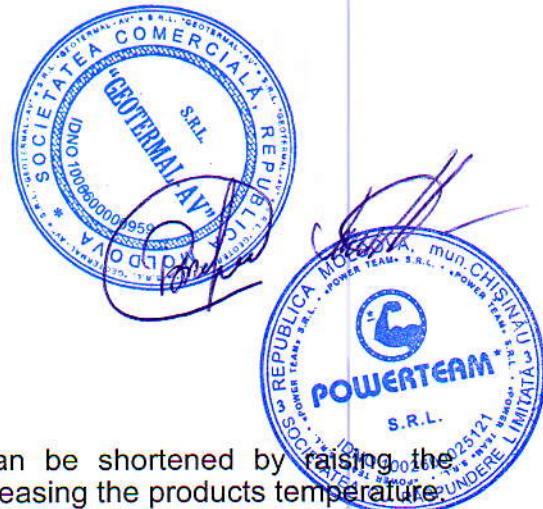
UV and weather resistant two component polyurethane **line marking paint** with good long term elasticity and abrasion resistance. The material contains solvent. This system is especially suited for all synthetic sports and playing surfaces.

Typical properties:

	Polyol	Isocyanate	Mixture
Density [g/cm3] -20°C DIN 53217	ar. 1,30	1.00	-
Viscosity [sec.] [20°C] DIN coupe 4 mm	-	-	50 - 70
Mixing ratio polyol / isocyanate.	100	40	by weight
Flash point in °C DIN 51 584	26	40	-

Colours:

Code	Colour
S166.01	Black
S166.10	Green
S166.21	Red
S166.23	Yellow
S166.34	Blue
S166.55	Red/Orange
S166.97	White



Pot life :

Approximately 2 hours at 20°C. The potlife can be shortened by raising the temperature. The pot life can be shortened by increasing the products temperature.

Curing :

The sealing lacquer dries by solvent evaporation and chemical reaction between resin and hardener. At 20°C curing takes place approximately as follows: 1/2

Dust free	1.5 - 2 hours
Touch dry	3 - 4 hours
Walkable	env. 24 hours
Ready for high-duty service	2 – 3 days

Processing and application:

In order to obtain an optimum adhesion, the substrate must be dry, clear and free from grease. The hardener must be stirred into the resin component very carefully according to the indicated mixing ratio.

Mainly used by roller the application of the sealing lacquer could be done by spraying with an airless device. The ground and ambient temperatures should not be below +10°C .

Material safety data sheet should be read very carefully before use.

Consumption :

ar. 80 ml / kg for single coat applications..
ar. 50 ml / kg for two-coat applications.

Type :	Handball	Volleyball	Basketball	Tennis	Badminton
Reference :	S166.23	S166.34	S166.55	S166.97	S166.01
Colour :	Yellow	Blue	Orange	White	Black
Linear meter :	~250 ml	~82 ml	~162 ml	~150 ml	~102 ml
Number of coat(s) :	2	1	2	2	1
Number of kit kit(s) [0,90 kg] :	5	1	3	3	2
Total quantity :	4,5 kg	0,9 kg	2,7 kg	2,7 kg	1,8 kg

Packaging:

Predosed kits of 0,9 kg [0,64 /A+0,26 /B] or 4,5 kg [3,2 /A+1,3 /B].

Storage life/ stability:

Both components must be protected against humidity. Do not store at temperature below + 10°C and above 30°C. 15 – 25°C is the most favourable storage temperature. Original closed pails stored between 10 – 30°C; protected against frost and humidity; storage stability 6 months. After a long storage period, the resin component should be stirred well before using.

This product complies with Directive 2004/42/EC on the limitation of emissions of VOCs due to the use of organic solvents in certain paints and varnishes:

- Regulations consider the global system which is the Component A and the Component B mixed on place in the right ratio.
- Limit values for the mixed product (Cat A/j) :500 g/l.
- Stobiela® S166 contains max 353 g/l.

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S166_gb_05 2015

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Euro 1 Granule

ŚWIADECTWO PRZEWOZOWE / MOVEMENT CERTIFICATE

<p>1. Eksporter (nazwisko (nazwa), pełny adres, kraj) Exporter (Name, full address, country)</p> <p>[REDACTED] [REDACTED] [REDACTED], Polska</p>		<p>EUR. 1 Nr/No PL/MF/AL 0041465</p> <p>Przed wypełnieniem formularza patrz uwagi na odwrocie See notes overleaf before completing this form</p>			
<p>3. Odbiorca (nazwisko (nazwa); pełny adres, kraj) (wypełnianie nieobowiązkowe) Consignee (Name, full address, country) (Optional)</p> <p>SC „Geotermal-AV“ SRL Veaceslav PISLARI Str. Bucuresti nr. 96/1, ap 20 MD-2012 Chisinau, Republika Mołdawii</p>		<p>2. Świadectwo jest stosowane w preferencyjnym handlu między Certificate used in preferential trade between</p> <p>UE a / and Republika Mołdawii</p> <p>(wpisać odpowiednie kraje, grupy krajów lub terytoria) (insert appropriate countries, group of countries or territories)</p>			
		<p>4. Kraj, grupa krajów lub terytorium, z których produkty są uważaane za pochodzące Country, group of countries or territory in which the products are considered as originating</p>	<p>5. Kraj, grupa krajów lub terytorium przeznaczenia Country, group of countries or territory of destination</p>	<p>UE Republika Mołdawii</p>	
<p>6. Szczegóły dotyczące transportu (wypełnianie nieobowiązkowe) Transport details (Optional)</p>		<p>7. Uwagi Remarks</p>			
<p>8. Liczba porządkowa; znaki i numery; ilość i rodzaj opakowań¹; opis towarów Item number; marks and numbers; number and kind of packages¹; description of goods</p> <p>Jeżeli towary nie są zapakowane, podać odpowiednią liczbę artykułów lub wpisać „bulk“. If goods are not packed, indicate number of articles or state „in bulk“ as appropriate.</p> <p>10 palet (400 worków)</p>		<p>9. Masa brutto (kg) lub inna jednostka miary (litry, m³, itd.) Gross mass (kg) or other measure (litres, m³, etc.)</p>	<p>10. Faktury (wypełnianie nieobowiązkowe) Invoices (Optional)</p>		
<p>1. Granulat SBR czarny 1,0-4,0 mm t - 5 000 kg 2. Granulat EPDM czerwony 1,0-3,5 mm - 5 000 kg</p>		<p>10 200</p>	<p>(S)FSE-16/10/956</p>		
<p>11. POTWIERDZENIE URZĘDU CELNEGO CUSTOMS ENDORSEMENT</p> <p>Oświadczenie potwierdzone / Declaration certified</p> <p>Dokument wywozowy² / Export document²</p> <p>Formularz / Form Nr / No</p> <p>Urząd celny / Customs Office</p> <p>Kraj lub obszar wystawienia / Issuing country or territory</p> <p>Data / Date</p> <p>(Podpis / Signature)</p>		<p>12. OŚWIADCZENIE EKSPORTERA DECLARATION BY THE EXPORTER</p> <p>Ja, niżej podpisany(-a) oświadczam, że towary opisane powyżej spełniają warunki potrzebne do wystawienia niniejszego świadectwa.</p> <p>I, the undersigned, declare that the goods described above meet the conditions required for the issue of this certificate.</p> <p>Stargard 2016.10.14</p>			

TECHNICAL DATA SHEET**10 28****Crumbling - Waste Tyre Rubber Granulate****Use**

Basic material - filling for production of rubber tiles, mats, sound-proof insulation, as back fill for artificial lawns, or filling of flexible mats, and as addition to asphalt concrete mixtures

Technical parameters

Ignition temperature	320 -330 °C
Flashpoint	370 -380 °C
Granularity	1.0 - 2.8 mm
Acetone extract	max 14 %
Content of ashes	max 7 %
Content of free textile	up to 0.1 %
Content of metal	up to 0.1 %
Content of foreign particles: stones, wood	up to 0.2 %

Composition

Crumbling - waste tyre rubber granulate
and textile cord

Consumption

Specific weight	max. 1,330 kg/m ³
Apparent density	max. 650 kg/m ³
Content of volatile substances (humidity)	max. 0.95 %

Instruction manual

By mixing the crumbing - granulate, bond, and colour pigment it is possible to produce the mixture for production of tiles, mats, sound-proof insulation hot-shaped and cold-shaped, or it can be used as addition for asphalt concrete mixtures, as back fill for artificial lawns, or filling of flexible mats

Storage

Delivery and storage in large-capacity packages, in a covered area

Quality-quality management system

Quality of the product is continuously monitored by: VÚSAPL Nitra and corporate laboratory

Occupational safety and hygiene, ecology

The Act No. 163/ 2001 Coll. On chemicals and preparations applies to the product

Safety measures for protection of persons

At the workplace it is necessary to ensure ventilation and dust exhaust. Measures for health protection must be respected.

It is not allowed to eat, drink, or smoke during work. After work hands or face must be washed with water and soap, skin must be treated with a suitable regeneration cream. Do not inhale dust, minimize dustiness and use personal protective aids

Safety measures for environmental protection

It is necessary to avoid blowing the rubber dust in the air

Granulate not irritate the skin in contact

First-aid instructions

Rubber crumbing - granulate contains tiny rubber particles - dust. Irritating eyes, airways.

In case of strong inhalation of dust medical care must be searched.

When eyes are affected, they must be thoroughly rinsed with clean water and medical help must be searched.



When consumed - ca 0.5 l of drinking water must be drunk and medical help must be searched.

Waste disposal

Material not used must be placed to communal waste dump.

Final provisions

All data are processed according to applicable standards and experience. They are based on latest technical knowledge.

Manufacturer reserves the right to make changes based on future new knowledge and changes corresponding to new technical standards.

Validity of Technical Data Sheet since 11/2005 text modification 03/2006 text modification 05/2009

text modificati



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4 FIRST AID MEASURES

4.1 General instructions: No special measures necessary, observe basic hygienic principles.

4.2 At inhalation: -

4.3 At contact with skin: : in accordance with STN EN ISO 10993-10 toxicological report of Slovak University of Health from 14.01 2008 Protocol No.: E-10/08 irritability of product was not proved – it does not irritate

4.4 At contact with eyes: -

4.5 In case of swallowing:-

4.6 Other information: -

5 FIRE PRECAUTIONS

5.1 Appropriate fire extinguishers:

Fire extinguisher, water, foam,

5.2 Fire extinguishers that cannot be used due to safety reasons:

Water stream

5.3 Special exposition risks:

in fire occur in oxides of carbon and sulfur.

5.4 Special protective equipment for firefighters and equipment for fire brigades:
protective clothing, respirator , in case of fire follow the fire alarm instructions and fire policy

5.5 Other information: -

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal safety precautions: the nature of the product does not cause any safety measures to protect people and the environment.

6.2 Environmental safety precautions: -

6.3 Cleaning methods:-

6.4 Other information: dispose used material in waste incinerators.
Proceed under the applicable legislation in the field of waste management.



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7 HANDLING AND STORAGE

7.1 Handling: keep product away from open fire and sources of heat.

Use personal protective equipment in accordance with Chapter 8 Follow the existing legislation on health and safety.

7.2 Storage: at temperatures +50 – 30 °C, air humidity max. 80 %

7.3 Personal use:

Not stated.

8 EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 Exposure limits values:

Control parameters: aerosols with predominantly irritating effect from grinding and treatments of tires NPEL_c 4 mg.m⁻³

8.2 Exposure controls: -

8.2.1 Occupational exposure controls: solid aerosols with mostly irritating effects, other solid aerosol with irritating effects from grinding and treatments of tires NPEL_c 4 mg.m⁻³

8.2.1.1 Respiratory protection:

Use respirator at exceeded concentration of dust

8.2.1.2 Hands protection:

Protective rubber gloves.

8.2.1.3 Eye protection:

Protective eye glasses or shield.

8.2.1.4 Skin protection:

Protective work clothing

8.2.2 Environmental exposure controls: -

9 PHYSICAL AND CHEMICAL ATTRIBUTES

9.1 General information:

Physical state:	Solid state 0-5 mm
Color:	black
Odor:	No odor

9.2 Important health, safety and environmental information:

pH:	-
Boiling point and boiling range :	-
Flash point: STN ISO 871	270± 10 °C
Ignition temperature: STN ISO 871	340± 10 °C
Flammability:	Flammable



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Explosive properties:	Inexplosive				
Explosion limits:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Lower limit:</td> <td style="padding: 2px;">-</td> </tr> <tr> <td style="padding: 2px;">Upper limit:</td> <td style="padding: 2px;">-</td> </tr> </table>	Lower limit:	-	Upper limit:	-
Lower limit:	-				
Upper limit:	-				
Oxidizing properties:	-				
Vapor pressure:	-				
Density:	(STN650342)				
Solubility:	Not soluble in water				
Distribution coefficient n-octanol/water:	-				
viscosity:	-				
Vapor density:	-				
Evaporation rate:	-				
Specific weight:	1000-1330 kg.m ⁻³				
Self ignition temperature:	-				
Self ignition:	-				

10 STABILITY A REACTIVITY

10.1 Product stability:

At normal use is product stable, decomposition does not occur

10.2 Conditions occurrence of which to avoid:

High temperatures, product overheats.

10.3 Materials to avoid: -

10.4 Dangerous decomposition products:

Thermic decomposition releases oxides of carbon and sulfur.

10.5 Other information: -

11 TOXICOLOGICAL INFORMATION

11.1 Acute toxicity: product is not toxic

11.2 Subchronic-chronic toxicity: -

11.3 Irritability:

Not irritating.

11.4 Sensitization:

It is not sensible.

11.5 Carcinogenicity: -

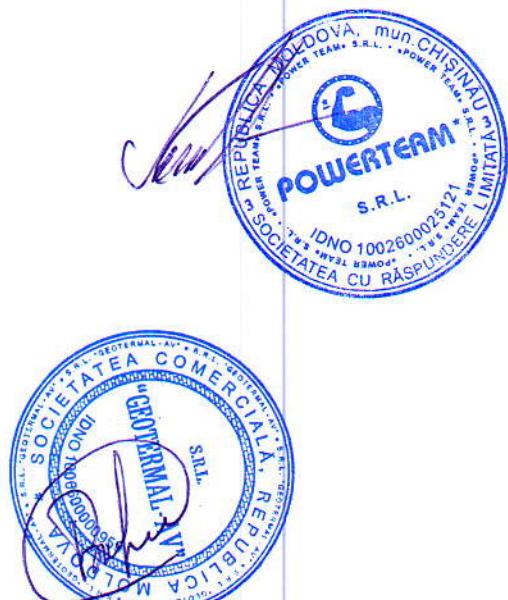
11.6 Mutagenicity: -

11.7 Reproductive toxicity: -

11.8 Experience with impact on human:

none.

11.9 Other information: -



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12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity: material is practically insoluble in water and non-hazardous to the environment.

12.2 Moveability: –

12.3 Stability and decomposition: -

12.4 Bioaccumulative potential: -

12.5 Other negative effects:

Information not available.

12.6 Other information: -

13 DISPOSAL INFORMATION:

13.1 Suitable disposal methods:

Worn tires are recovered by rubber grit production. Inapplicable residues dispose in accordance with the Act no.223/2001 Coll. on waste and amending certain laws.

Residues of substances and package pass to organizations with permission to waste management. Do not flush into sewers. Should not be disposed with municipal or other waste.

14 INFORMATION ON TRANSPORT AND TRANSFER

14.1 Road transport (ADR) and railway transport (RID):

Substance / product is not subject to international regulations on transport of dangerous goods.

14.2 Sea transport (IMDG):

Substance / product is not subject to international regulations on transport of dangerous goods.

14.3 Air transport (ICAO/IATA):

Substance / product is not subject to international regulations on transport of dangerous goods.

15 REGULATIVE INFORMATION

15.1 Information stated on label:

15.1.1 Name of dangerous chemical preparative:

15.1.2 Contains:

Name -

EC number -

Warning symbols and word sign of danger:



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15.1.3 Word description of specific risk (R-sentences): -

15.1.4 Word description for safe use (S-sentences):

S36/37/39 Wear appropriate protective clothes, gloves and protective measures for eyes / face.

15.1.6 Other compulsory marking of preparative:

15.2 Special provisions relating to protection of health or the environment:

Act no.67/2010 Coll. on placing conditions of chemical substances and mixtures to the market and amending certain acts (chemical Act)

Act no. 261/2002 Coll. on prevention of serious industrial accidents

Act no. 355/2007 Coll. on the protection, support and development of public health and amending certain acts

Act no.223/2001 Coll. on waste and amending certain acts

Act no. 364/2004 Coll. water Act

16 OTHER INFORMATION

16.1 Full text of sentences marked with letter R that are stated in point 2 and 3:

R8 In Contact with combustible material may cause fire

16.2 Instructions for use (S-sentences):

S36/37/39 Wear appropriate protective clothes, gloves and protective measures

16.3 Recommended restrictions on use:

The preparation should not be used for any other purpose than for which it is intended (see point. 1.2) Safety information describes the product as regards safety and cannot be considered as technical information on product.

16.4 Key data sources:

Safety Data Sheet has been prepared based on information provided by the supplier of product Matador Púchov ED: +421 42 461 3209

Classification of the preparation was based on decree of MoE no.2/2002 regulating the conditions of the notification, classification, labeling, packaging, testing of chemical substances and chemical preparations.

Safety Data Sheet was prepared according to the decree no.515/2001 Coll. on details of safety data sheet in accordance with the Act no.163/2001 Coll. on chemical substances and chemical preparations.

16.5 Safety Data Sheet purpose:

Purpose of safety data sheet is to enable users to take necessary measures related to health protection and safety at the workplace and to environmental protection.

