

ALIPHATIC POLYURETHANE RESIN FOR ADDING NATURAL AGGREGATES

DESCRIPTION

Pavistone is a system of agglomeration of aggregates for pavements that allows obtaining a smooth, attractive, contemporary, hard, low-maintenance floor, with a porous or semi-porous finish, depending on the type of aggregates used. The final surface is a flexible, crack-resistant, joint less amalgam system

APPLICATION

- Walking trails
- World Heritage
- Parking
- Cyclepaths
- Fences
- Ramps
- Pedestrian zone
- Commercial premises
- Themeparks
- Roads
- Footbridges
- Urbanizations
- Prestigious design office

TECHNICAL DATA

PRODUCT INFORMATION BEFORE APPLICATION															
	Component A	Component B	Component C												
Description	Polyol	Aliphatic polyisocyanate	Catalyst												
Physical state	Liquid	Liquid	Liquid												
Packing	Metal container 19.5 kg (x2ud) 176 kg (x2 pc)	Metal container 25 kg 225 kg	Metal container 1 kg 10 kg												
Colour	Yellowish	Colourless	Yellowish												
Solids (%) approximate	100%	100%	100%												
Flashpoint	> 200°C	160°C	> 200°C												
Density	1.0 g / cm ³	1.15 g / cm ³	1.1 g / cm ³												
Viscosity values approx. brookfield	3000-4000 (25°C)	2500-4000 (25°C)	3000-4000 (25°C)												
VOC Content	0	0	0												
A / B ratio	A = 100, B = 64, Catalyst = (variable, 0 to 16) by weight A = 100, B = 55, Catalyst = (variable, 0 to 16) in volume														
Mixture property	Viscosity: Approximately 3000 .s at 25°C Density: 1.10 g / cm ³ Color: light yellow														
Potlife approx	<table border="1"> <thead> <tr> <th>Temperature (c)</th> <th>Catalyzed Pavistone (%) of A + B)</th> <th>Potlife (min)</th> </tr> </thead> <tbody> <tr> <td>35</td> <td>0</td> <td>30</td> </tr> <tr> <td>25</td> <td>0.5</td> <td>30</td> </tr> <tr> <td>10</td> <td>10</td> <td>15</td> </tr> </tbody> </table>			Temperature (c)	Catalyzed Pavistone (%) of A + B)	Potlife (min)	35	0	30	25	0.5	30	10	10	15
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35	0	30													
25	0.5	30													
10	10	15													
Storage and expiration	Store between 10°C and 30°C. Protected from humidity. Expiration: 12 months from manufacture														

FINAL PRODUCT INFORMATION

Final state	Elastomer	
Colour	Colorless or slightly yellow	
Hardness	75A	
Shore (ISO 868)		
Mechanical properties	Maximum elongation: 28% Tensile strength: 1.5	
Chemical resistance	Superficial contact (24 h, room temperature, 5 = ok, 0 = not recommended)	
	Substance	Outcome
	Water	5
	Ammonia 3%	5
	Methoxypropylacetate	3
	Bleach	5
	Isopropyl alcohol	4
Use temperature	Stable up to 80°C	

RECOMMENDED COMBINATIONS

The dosage of pavistone mixture with respect to the aggregate is as follows.

Arid type	Number of Pavistones (A + B)
River stone, non-porous, regular.	3 to 5%
Fine, porous, irregular aggregate	5 to 7%

MIXING

The concrete support must be clean, dry and free of cement slurry, oil, grease and loose particles, which could affect the adhesion. Asphalt substrates must be clean and dry. For more information on the treatment of singular points, contact our technical service.

Details and borders should be defined using brick, stone, concrete or steel edges to provide high quality finishing details

ENVIRONMENTAL CONDITIONS OF HUMIDITY AND TEMPERATURE

The recommended temperature of the support for the application is between 5°C and 30°C. If the temperature is higher, additional measures must be taken following the manufacturer's instructions. The humidity in the support must be less than 4% and in the environment, less than 85%. An excess of temperature and humidity will cause the generation of micro foam.

HOMOGENIZATION AND MIXING / CONSUMPTION

Pavistone components, part A and B, are sold in pre-dosed kit. The amount of Pavistone Catalyst is added depending on the environmental conditions.

Components A and B must be mixed with a low revolution mixer for a minimum of 45 seconds.

The Pavistone Catalyst is then added, in a variable quantity depending on the ambient temperature. The following table gives indicative dosages.

Ambient temperature °C	Recommended dosage of catalyst (% of A + B)
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35	0.1 - 0.5
25	1-2
10	2-8

The Pavistone mixture (A + B + Catalyst), must be immediately added to the aggregates, previously placed in a suitable mechanical mixer. Mix all components for 1-2 minutes, then pour into a wheelbarrow to immediately take it to the application site (see pot life time)

Next, the material / aggregate must be evenly distributed on the surface at the desired depth, using a smooth spatula (without teeth). Smooth the surface with a trowel / spatula, coct according to the desired finish.

To obtain the proper thickness, use approximately 1.5 kg / m² of Pavistone + aggregate mix for each mm of thickness if the aggregate is 0-6 mm and 2 kg / m² for each mm of thickness if the aggregate is 6-10 mm.

Aggregatesize	Desired thickness (mm)	Pavistone + Arido Mix Consumption kg / m ²
0 to 6mm	15	2.3
	20	30
	25	38
	30	45
6 to 10 mm	15	30
	20	40
	25	50
	30	60

If a smoother finish is required, sandpaper can be passed over the surface, fine grit 50-80g / m².

CURING TIME (approximate)

The curing time is variable depending on the ambient temperature and the Catalyst dosage used. Caution: At certain temperatures, an excessive dosage of Catalyst can lead to a too short working time.

Terms	% catalyst over (A + B)	Dry to touch (h)
10°C, 60%	0.5	> 24
	one	24
	5	24
25°C, 50%	0.5	24
	one	twenty
	5	5
35°C, 30%	0.5	4
	one	two
	5	one

COMMISSIONING

24 to 48 hours, depending on environmental conditions.

FAQ

Question	Answer
Can it be used without using a Catalyst component?	No. The Catalyst component contains the essential catalyst for the AB mixture to harden. Without it, the drying time will be extended to several weeks

TOOL CLEANING

Clean with Rayston solvent, before hardening.

SECURITY



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Pavistone Component B contains isocyanates. Always follow the instructions on the safety sheet of this product and take the protection measures described therein. In general, adequate protection of the skin and eyes is mandatory. The product should be used only for its intended uses and in the prescribed manner.

This product should only be used for industrial and professional uses. Not suitable for DIY use.

ENVIRONMENTAL CONDITIONS

Empty containers should be handled with the same precautions as if they were full. Consider packaging as waste to be treated through an authorized waste manager. If the containers contain remains, do not mix them with other products without previously ruling out possible dangerous reactions. The residues of component A and B can be mixed in order to convert them into an inert solid material but never in a volume greater than 5 liters at a time to avoid dangerous heat generation.

OTHER INFORMATION

The information contained in this data sheet, as well as our advice, both written and provided orally or through tests, are given in good faith based on our experience and the results obtained through tests carried out by independent laboratories, and without serving as guarantee for the applicator, who should take them as merely indicative references and with strictly informative value.

We recommend studying this information in depth before proceeding to the use and application of any of these products, although it is especially convenient to carry out tests "in situ" to determine the suitability of a treatment in place, with the purpose and conditions concrete that occur in each case.

Our recommendations do not exempt from the obligation that the applicator has to know in depth, the correct method of application of these systems before proceeding to their use, as well as to carry out as many preliminary tests as appropriate if there is doubt as to their suitability for any work, installation or repair, taking into account the specific circumstances in which the product will be used.

The application, use and processing of our products are beyond our control and, therefore, under the sole responsibility of the installer. Consequently, the applicator will be solely and exclusively responsible for the damages derived from total or partial non-observance of the use and installation manual and, in general, from the inappropriate use or application of these products.

This data sheet cancels previous versions.