

PRODUCT DATA SHEET

Pulastic® GM4000

2 Component Polyurethane

DESCRIPTION

Solvent, and plasticizer free 2-component polyurethane manufactured by a company certified according ISO 9001 for quality management, ISO 14001 for environmental care and ISO 26000 for corporate sustainability.

USES

Pulastic® GM4000 may only be used by experienced professionals.

The nature of the product requires (manufacturer) trained specialists to execute the application.

CHARACTERISTICS / ADVANTAGES

- Pulastic GM 4000 is a durable high quality self-leveling compound which is mainly used for the installation of seamless sports flooring systems. We recommend that the manufacturer is consulted regarding alternative applications other than the standard sports flooring systems.
- The material has a very good mechanical strength and is permanently flexible. Moreover the compound has good bonding properties, is non-flammable and shows no shrinkage after curing. Good flow properties are assured due to the low viscosity liquid consistency. The material has good de-aerating properties.

SUSTAINABILITY

- The properties and structure of Pulastic GM 4000 are characterized by the particularly low VOC-emission, without compromising the high quality mechanical strength and excellent abrasion resistance.
- Pulastic sports flooring systems that have GM4000 as a base coat, are standard available with a circular rubber shockpad.

APPROVALS / CERTIFICATES

Pulastic GM 4000 has been tested and meets Eurofins Indoor Air Comfort Gold; the most stringent global limit for testing indoor air quality .

PRODUCT INFORMATION

Packaging	Two-can sets of 20 Kg
Shelf life	
Storage conditions	Under ideal storage conditions the shelf-life, in original factory sealed cans, is 6 months for the A comp. and 12 months for the B comp.
Colour	In accordance with manufacturers list of standard-colours.
Density	1,40 Kg/litre

TECHNICAL INFORMATION

Shore A hardness	82	(DIN 53505)
Tensile strength	11 N/mm ²	DIN 53455
Tear strength	30 N/mm	DIN 53515

APPLICATION INFORMATION

Mixing ratio	A : B = 79 : 21 : 2,5 (weight) = 15,8 : 4,2 Kg			
Consumption	Approximately 1.400 grams/m ² for every mm thickness. A minimum of 1 mm is necessary to assure good self-levelling properties.			
Relative air humidity	Temperature of material and working area: 10°C to 30°C. Temperature of subfloor: minimal 3°C above the Dew-point. Air humidity: max 80%.			
Curing time	Pot life	<u>24 minutes/10°C</u>	<u>18 minutes/20°C</u>	<u>15 minutes/30°C</u>
	Light loading	<u>21 hours/10°C</u>	<u>15 hours/20°C</u>	<u>12 hours/30°C</u>
	Full loading	<u>72 hours/10°C</u>	<u>60 hours/20°C</u>	<u>48 hours/30°C</u>

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

Consult the manufactures "Material Safety Data Sheet".

Follow the instructions on the labels.

APPLICATION INSTRUCTIONS

EQUIPMENT

Measuring-cup (in case of 21,2 Kg drums), mixing-blade, low-speed 1.000 Watt electric drill, Sieve, Swedish-knife, flat- or notched-trowel.

Clean all tools with PULASTIC Thinner 5C05 immediately after use!

SUBSTRATE PREPARATION

The substrate should be level (max. deviation 3 mm under a 3 m straight edge) and free from dirt, dust and moisture. Sanding or other treatment of the substrate may be necessary, to obtain good bonding. Take all the necessary safety precautions. Check availability and condition of materials and equipment. Check if the B component is free of crystallization. Should crystals be found the B component has to be heated to 60 °C until all crystals re-dissolve.

APPLICATION

Premix the A Component and check for lumps. Add the colour-paste and mix again. Add the complete contents of the B Component and mix A and B thoroughly to a homogeneous mixture. Do not dilute! Pour the mixture in a second drum (through a sieve 0,5-1 mm in case lumps are found in the A component) and mix for a further few seconds to avoid the use of unmixed material (from the sides and bottom of the first drum). To gain the maximum flow properties the full contents of the mixture should be poured out as quickly as possible (within the pot-life) and should be spread out immediately.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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