

PRODUCT DATA SHEET

Pulastic® GM/SP**2 Component Polyurethane****DESCRIPTION**

Solvent 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

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

CHARACTERISTICS / ADVANTAGES

Pulastic GM/SP is an extremely durable high quality self-levelling compound, which is mainly used for the installation of spike-resistant seamless sports floors. We recommend that the manufacturer is consulted regarding alternative applications other than the standard sports flooring systems. The material has an extremely high 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.

PRODUCT INFORMATION

Packaging	Two-can sets of 20 Kg B component can be supplied in 21,2 Kg drums.
Shelf life	Under ideal storage conditions the shelf-life, in original factory sealed cans, is A component 6 months and B component 12 months.
Storage conditions	Store material in a dry, cool (15-25°C) environment where protection against damage is guaranteed. Avoid prolonged storage at temperatures below 5°C or above 30°C. Prolonged vibration and higher ambient temperatures during transportation can result in settling of the A Component, which makes mixing more difficult. Prolonged storage at low temperatures can result in crystallizing of the B component.
Colour	In accordance with manufacturers list of standard-colours.
Density	1,27 Kg/litre

TECHNICAL INFORMATION

Shore A hardness	82 Shore A	(DIN 53505)
Tensile strength	25 N/mm ²	(DIN 53455)
Tensile strain at break	360 %	(DIN 53455)
Tear strength	52N/mm ²	(DIN 53515)

APPLICATION INFORMATION

Mixing ratio	Ratio A : B = 70 : 30 (weight).			
Consumption	Approximately 1.270 grams/m ² for every mm thickness. A minimum of 2 mm is necessary to assure good self-levelling properties.			
Curing time	Pot life	10 minutes/10°C	7 minutes/20°C	5 minutes/ 300C
	light loading	48 hours/10°C	42 hours/20°C	36 hours/30°C
	regular loading	10 days		
	full loading	3 months		

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

Temperature of material and working area: 10°C to 30°C. Temperature of subfloor: minimal 3°C above the Dew-point. Max. air humidity at different temperatures for application GM/SP:

Temp. air (oC)	Max. humidity (%)
10	70.0
12	70.0
14	70.0
16	70.0
18	70.0
19	70.0
20	70.0
21	65.9
22	62.3
23	59.9
24	55.5
25	52.5
26	49.7
27	47.0
28	44.5
29	42.1
30	39.9

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 5CO5 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 redissolve. A high viscose A component should be heated to 20-400C, depending on available time, to gain a good flow.

APPLICATION

Premix the A Component and check for lumps. Add the complete contents of the B Component and mix A and B thoroughly to a homogeneous mixture. Care should be taken to avoid mixing in air as such as possible. 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.

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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