

PRODUCT DATA SHEET

Pulastic® GM-1500 FX

Solvent-free, aromatic 2 components polyurethane casting layer.

DESCRIPTION

Solvent-free, 2 components polyurethane that is manufactured by Sika, certified in conformity with ISO 9001 for quality management, ISO 14001 for environmental care, OHSAS 18001 for working conditions management, V.C.A. for safety on and according to the MVO Performance ladder, based on ISO 26000.

USES

Pulastic® GM-1500 FX may only be used by experienced professionals.

- Pulastic GM 1500 FX is a durable, high quality, self-levelling compound, in which a woodlook structure can be applied during processing of the material. The casting layer is aromatic and permanently elastic.
- For alternative applications, we recommend contacting Sika.
- The material has very good mechanical strength and durable flexibility. Furthermore, the material has good adhesion properties, is not flammable and shows no shrinkage after curing and has good flow properties due to low viscosity.
- The material has good, self-ventilating properties and also very low VOC values
- The nature of the product requires (manufacturer trained) specialists to process this material.

CHARACTERISTICS / ADVANTAGES

- Very low VOC emission values
- Solvent-free
- Highly decorative character
- Permanently elastic
- Aromatic Polyurethane
- Decorative effect by means of application technique.
- Easy to clean & maintain.
- High concentration of recycled and renewable raw materials.
- Maximum protection of indoor air quality during period of use
- Very good mechanical strength and wear resistance
- Excellent color stability
- Application on subfloor according to EN 14904

PRODUCT INFORMATION

Packaging	2 can sets, total 20 kg. Component A: colored 15.8 kg Component B: fully transparent 4.2 kg
Shelf life	Under ideal storage conditions, the shelf life in the original factory sealed packaging is 12 months for the A component and 12 months for the B component.
Storage conditions	Store in a dry, cool (10-25C) environment, ensuring protection from damage. Prolonged storage at temperatures below 5C or above 30C should be avoided. Prolonged vibration and higher ambient temperatures during transport may result in the A component sinking out, making mixing difficult. Prolonged storage at low temperatures may result in crystallization of the B component.
Colour	Mocca Coffee Brown, as part of the Pulastic Woodtone sports floor system
Density	1,4 Kg/liter

TECHNICAL INFORMATION

Shore A hardness	84	(DIN 53505)
Tensile strength	8N/mm ²	(DIN 53455)
Tear strength	25N/mm ²	(DIN 53515)

SYSTEM INFORMATION

System structure	Pulastic GM 1500 FX must always be sealed with a transparent topcoat. For the chemical resistance, therefore, please consult the most recent PDS of the Pulastic 221 W/CL.			
Mixing ratio	A : B = 79 : 21 (weight)			
Consumption	Approx. 1,400 gram/m ² per mm thickness. A minimum thickness of 1.5 mm is required for a good flow properties and the application of the structure in the casting layer. Maximum consumption is 2,800 g/m ² . The recommended layer thickness depends on the system structure, therefore always consult the most recent System Data Sheet before starting processing.			
Relative air humidity	Material and working environment temperature: 15C to 30C. Subfloor temperature: minimum 3C above dew point. Humidity: max. 70%.			
Curing time	<u>Potlife</u>	<u>- 24 min/10°C</u>	<u>- 18 min/20°C</u>	<u>- 15 min/30°C</u>
	<u>Light loading</u>	<u>- 21 uur/10°C</u>	<u>- 15 uur/20°C</u>	<u>- 12 uur/30°C</u>
	<u>Full loading</u>	<u>- 72 uur/10°C</u>	<u>- 60 uur/20°C</u>	<u>- 48 uur/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

Please refer to the most recent material safety data sheet.
Follow the instructions on the labels.

APPLICATION INSTRUCTIONS

EQUIPMENT

Measuring cup, mixing fin, electric mixing tool with single paddle to 1000 watts, sieve, swedish prinrake, special FX pinrake, smoothing trowel or tooth chip, blunt tip (rubber) spike shoes. Please refer to the most recent MS for extensive instruction.
Tools have to be immediately cleaned after use with PULASTIC Thinner 5CO5 !

SUBSTRATE PREPARATION

The substrate must be flat (max. deviation of 3 mm under a 3 m cane) and clean, dry and dust-free. Sanding or other pretreatment of the substrate may be necessary to obtain a good adhesion. Take the necessary precautions. Check availability and condition of materials and tools. Check the B components for crystallization. If crystals are present, the B components should be heated to 60C until all crystals have disappeared. Additional conditions regarding the subfloor, including maximum moisture percentage and compressive strength, are mentioned in the information letter on subfloors which we can send you on request.

APPLICATION

Mix the A component and check for lumps. Add the entire contents of the B component and carefully mix A and B to a homogeneous mixture. Do not dilute!
Pour the mixture into the second can (through a sieve 0.5-1 mm if lumps are present in the A component) and mix briefly so that all the material (including material from the can walls and bottom of the first can) is well mixed. To achieve the maximum flow properties, the entire content of the mixture should be poured out (within the pot life) and spread as quickly as possible. Then the structure should be applied to the material with the special FX pin rake. For detailed instructions, please refer to the most recent MS for the specific system build-up.

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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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A SIKA BRAND