

BUILDING PRODUCT INFORMATION SHEET

Pulastic® GM-1500

2-Component Polyurethane self-levelling

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.

FEATURES

PULASTIC GM 1500 is a durable high quality self-levelling 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 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.

PRODUCT INFORMATION

Product Identifier	Pulastic® GM-1500
Place of manufacture	Overseas
Packaging	Two-can sets of 0.975 Kg Kit
Shelf life	Under ideal storage conditions the shelf-life, in original factory sealed cans, is A component 9 months and B component 12 months.
Storage conditions	Store material in a dry, cool (5-25°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	Neutral Grey
Density	1.4kg/litre

TECHNICAL INFORMATION

Shore A hardness	84
Tensile strength	8 MPa
Tensile strain at break	150%
Tear strength	25 MPa

APPLICATION INFORMATION

Mixing ratio	A : B = 79 : 21 (weight)
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Consumption	Approximately 1.4 grams/m ² for every mm thickness. A minimum of 1.5 mm is necessary to assure good self-levelling properties.			
Curing time	Pot life	24 minutes/10°C	18 minutes/20°C	15 minutes/30°C
	Light load	21 hours/10°C	15 hours/20°C	12 hours/30°C
	Full load	72 hours/10°C	60 hours/20°C	48 hours/30°C

MANUFACTURER AND IMPORTER INFORMATION

Manufacturer information	Address	Sika Supply Centre AG Industriestrasse 26 6060, Sarnen Switzerland
Importer information	Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
	Phone number	0800 745 269
	Website	https://nzl.sika.com/
	Email address	info@nz.sika.com
	NZBN	9429000018791

BUILDING CODE INFORMATION

Building Code clauses	B2 Durability: Performance clause B2.3.1 - (c) 5 years C3 Fire Affecting Areas Beyond the Fire Source. Performance clause C3.4(b) F2 Hazardous Building Materials: Performance clause F2.3.1
Building Code compliance statements	Performance B2.3.1 - (c) 5 years. This product has been assessed in accordance with B2/VM1. It achieves this durability requirement and will remain serviceable for 5 years, or more, when installed and maintained in accordance with the relevant Sika technical literature. nzl.sika.com . According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 2012. Performance C3.4(b) The installed system has been fire tested in accordance with ISO 9239-1 : 2010. It has a critical radiant flux that exceeds 4.5 kW/m ² and can be used in all areas of the building, as defined in this clause. Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet nzl.sika.com for further information if required

BASIS OF PRODUCT DATA

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

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

DESIGN REQUIREMENTS

This product is part of a system that includes primers and other associated products. For full design information refer to the relevant Sika literature available at nzl.sika.com. For further information or support phone 0800SIKANZ

INSTALLATION REQUIREMENTS

This system of products may only be installed by a Sika trained and approved applicator. For further information contact 0800SIKANZ

EQUIPMENT

Mixing-blade, low-speed 1,000 Watt electric drill, Sieve, Swedish-knife, flat or notched-trowel. Clean all tools with Sika Thinner C 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 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.

MAINTENANCE REQUIREMENTS

For full cleaning instructions refer to the document "Cleaning Instructions: Pulastic, Comfort and Acoustic Floors Part 1" available on www.sika.nz.

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 the 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

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NZ BUILDING PRODUCT INFORMATION SHEET

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