

PRODUCT DATA SHEET

Monoprufe® SX 700

HOT SPRAY APPLIED HIGH PERFORMANCE POLYUREA WATERPROOFING MEMBRANE

DESCRIPTION

Monoprufe® SX 700 is a very high performance elastic fast curing waterproofing system with exceptional strength and durability. Based on 2 component pure polyurea resins it is intended for application using specialist heated spray equipment with mixing occurring at the nozzle. Monoprufe® SX 700 sets in seconds to immediately form a weather and UV resistant membrane. It is elastic, has exceptional tear, tensile and bond strength and will adhere strongly to most sound and dry substrates.

USES

Monoprufe® SX 700 may only be used by experienced professionals.

- Ideal for exposed long term zero maintenance areas such as roof top installations
- Internal areas where waterproofing, chemical resistance and easy cleaning are important
- Trafficable
- Internal and external use
- Mining
- Tank linings
- Ship hold linings
- Ship freezer linings
- Truck beds
- Secondary containment holds
- Swimming pool linings
- Roof decks
- Balconies

CHARACTERISTICS / ADVANTAGES

- Effectively instantaneous performance
- Excellent toughness & durability
- Excellent waterproofing
- Excellent bond strength
- Highly UV resistant and elastic
- Suitable for constant immersion
- Highly resistant to most common household, gardening and industrial chemicals
- Solvent free & low VOC

PRODUCT INFORMATION

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| Packaging | 42.5 kg per pack (22.5 kg Part A & 20 kg Part B) 425 kg per pack (225 kg Part A & 200 kg Part B) |
| Shelf life | 12 months from the date of production |
| Storage conditions | Stored properly in undamaged and unopened original sealed packaging in the dry conditions. Protect from direct sunlight and frost. |

TECHNICAL INFORMATION

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| Shore A Hardness | 76 | (ASTM D2240-05) |
| Abrasion Resistance | < 0.1 g | (ASTM D4060-07) (H-18, 1000 g, 1000 cycles) |
| Tensile Strength | Approx. 15 MPa | (ASTM D412-06a) |
| Elongation at Break | Approx. 500 % | (ASTM D412-06a) |
| Tensile Adhesion Strength | 2 MPa | (ASTM D4541) |
| Tear Strength | Approx. 60 N/mm | (ASTM D624-00) |

APPLICATION INFORMATION

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|------------------------|--|
| Mixing Ratio | 1 to 1 by volume |
| Consumption | Approximately 1 to 1.1 kg/m ² /mm thick. The consumption rate will be varied with surface porosity and texture. |
| Layer Thickness | 1.0 to 3.0 mm thick |
| Curing Time | Curing time will depend on the ambient conditions but the surface should be left undisturbed for 12 hours prior to full service of the waterproofing membrane. |

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Monoprufe® SX 700 must be applied onto sound concrete, screed or similarly supportive ceramic substrate. The substrate should be dry, clean, free of oil, grease and other removable contaminants.

Prime the surfaces with Monoprufe® Primer X and broadcasting sand onto tacky primer to improve the bonding. Allow the primer to dry for 4–6 hours.

CLEANING OF EQUIPMENT

Tools and equipment should be washed with solvent after use. Painted surfaces, metal and glass should be protected during application.

BASIS OF PRODUCT DATA

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

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

VOC DATA

18 g/litre when tested in accordance with USEPA Method 24.

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.

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