

PRODUCT DATA SHEET

Monoprufe® WP

Elastic Cementitious Waterproofing Membrane

DESCRIPTION

Monoprufe® WP is a high performance cold applied cementitious waterproofing membrane. Monoprufe® WP is used in swimming pools, tanks and basements to contain or exclude water and will accommodate a wide range of structural movement within the substrate. Supplied as a two component material, Monoprufe® WP is a blend of polymers, cements, graded fillers and chemical binders. The two components are simply mixed at site to form a highly workable coating, which can be brushed or roller applied to the prepared substrate. Monoprufe® WP is designed as an elastomeric waterproof membrane for use under a screed, render, tiling or tanking system.

USES

- Below ground structures
- Internal and external application
- Basements, swimming pools, ponds, tanks, balconies, roofs
- Suitable for use on concrete, brickworks, blocks, render
- Window frame surroundings
- Curtain walls and claddings

CHARACTERISTICS / ADVANTAGES

- Highly elastic
- Excellent adhesion qualities
- Easy to use
- Water based
- Low VOC
- Can contribute to LEED certification

PRODUCT INFORMATION

Packaging	11.25 kg pack (6.25 kg powder & 5 kg liquid) 45 kg pack (25 kg powder & 20 kg liquid)
Shelf Life	9 months from the date of production
Storage Conditions	Stored properly in undamaged and unopened original sealed packaging in the dry conditions at temperature range +5 °C to 35 °C. Protect from direct sunlight and frost.
Appearance / Colour	Dark grey Brick red

TECHNICAL INFORMATION

Shore A Hardness	79	ASTM D2240-05	
Tensile Strength	Approx. 2.0 N/mm ²	ASTM D412-16	
Elongation at Break	~300 %	ASTM D412-16	
Tensile Adhesion Strength	Approx. 2 N/mm ²	ASTM D4541-09	
Water Absorption	Age at Test	Monoprufe® WP Typical Performance	Test Method
	28 days	0.0 ml/m ² /sec	Initial Surface Absorption Test
Water permeability	0 K(m/s)		
Water Penetration Under Pressure	0 mm at 50 m head of water	DIN 1048:Part 5:1991	
Permeability to Water Vapour	~0.12 g/h.m ²	ASTM E96-12	

APPLICATION INFORMATION

Consumption	1 kg/m ² /coat; apply two coats
Ambient Air Temperature	> 5 °C
Pot Life	Approx. 80 minutes

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.

FURTHER DOCUMENTS

- Avoid application in strong direct sunlight or drying winds. Observe material pot life and do not re-work or add water.
- Sika® SealTape F is a recommended product to be used in conjunction with Monoprufe® WP in order to achieve advanced water tightness in wet rooms and around wet area.

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

< 10 g/litre when tested in accordance with USEPA Method 24.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Thoroughly prepare all surfaces removing oil, grease, chemical contamination, loose and friable material, curing agents and laitance. Dampen dry surfaces with clean fresh water and remove excess; do not allow to pond.

MIXING

Pour all of the liquid component into a clean dry mixing container and mix using a slow speed drill fitted with a paddle. Slowly add the powder component into the liquid and continue to mix. When all of the powder has been added, increase the mixing speed and continue to mix to produce a lump free slurry.

APPLICATION

Brush or roller apply Monoprufe® WP in two coats. The second coat should be applied at right angles to the first and after the first coat has cured for 2–4 hours.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use.

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.

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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