

PRODUCT DATA SHEET

Monoprufe® WS

Flexible Cementitious Waterproofing Slurry

DESCRIPTION

Monoprufe® WS is a cement-based polymer modified waterproofing system, which is applied to concrete and mortar substrates to prevent the ingress of water. Supplied as a two-component material, Monoprufe® WS 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 is either sprayed, roller or paint applied to the prepared substrate.

USES

- Bathroom floors and walls
- Basements
- Retaining walls
- Balconies
- Swimming pools
- Water retaining structures

CHARACTERISTICS / ADVANTAGES

- Suitable for horizontal and vertical application
- Easy to mix and apply
- Waterproofing static cracks and capillaries
- Compatible with cement based substrates and render
- Slightly flexible
- Good adhesion
- Non toxic
- Impermeable
- Low VOC
- Can contribute to LEED certification

PRODUCT INFORMATION

Packaging	14.6 kg pack (10 kg powder & 4.6 kg liquid) 21.9 kg pack (15kg powder & 6.9kg liquid) 29.2 kg pack (20 kg powder & 9.2 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.

TECHNICAL INFORMATION

Tensile strength	> 1 MPa	(ASTM D412)
Tensile strain at break	> 50 %	(ASTM D412)
Tensile adhesion strength	> 0.5 MPa	(HKHA MTS Specification, Part D Clause 2.1.14)
Water penetration under pressure	0 mm at 0.5 MPa water pressure	(DIN 1048)

APPLICATION INFORMATION

Consumption	1 kg/m ² /coat; apply two coats
Ambient air temperature	> 5 °C

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 INFORMATION

- 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® WS 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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Remove all grease oil and loose particles. All absorbent substrates must be dampened down with clean fresh water prior to the application of the Monoprufe® WS.

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

Spray, roller or brush apply Monoprufe® WS 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.

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CLEANING OF EQUIPMENT

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.