

PRODUCT DATA SHEET

Monoprufe® RTU 801

UV RESISTANT cold applied modified polyurethane WATERPROOF MEMBRANE

DESCRIPTION

Monoprufe® RTU 801 is a highly versatile single component water based modified polyurethane waterproofing membrane with high elasticity and a high technical performance.

Suitable for application onto almost any surface such as damp or dry concrete, stone, metal, asphalt or wood. Monoprufe® RTU 801 is easy to apply and has a long pot life making it ideal for use on large areas with complicated detail such as behind curtain walls and cladding systems.

USES

- Flat roof
- External wall
- Metal roof
- Deck
- Canopies

CHARACTERISTICS / ADVANTAGES

- Excellent Elasticity
- Excellent Waterproofing
- Solvent Free
- No discolouration, no yellowing
- UV stable
- Low VOC

PRODUCT INFORMATION

Chemical Base	Polyurethane acrylic copolymer
Packaging	20 kg drum
Colour	Grey and White. Other colours are available on request.
Shelf Life	12 months from the date of production
Storage Conditions	Stored properly in undamaged and unopened original sealed packaging in the temperature range 5 °C to 35 °C. Protect from direct sunlight and frost.
Density	1.2 ±0.1 kg/litre
Solid Content by Weight	> 60 % by weight

TECHNICAL INFORMATION

Tensile Strength	> 2.5 MPa	(ASTM D412)
Elongation at Break	> 300 %	(ASTM D412)

APPLICATION INFORMATION

Consumption	A typical 2 coat application will require about 2 kg materials for floor application and 1.5 kg for wall application per m ² area. The consumption rate will be varied with surface porosity and texture.
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.

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

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

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

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Monoprufe® RTU 801 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. Open textured surfaces like mortar or concrete should be primed with diluted Monoprufe® RTU 801 (1 part of Monoprufe® RTU 801 diluted with 3 parts of water) or Sikalastic®-500 Acrylic Primer HK. Brush apply the primer at application of 0.3 kg/m² approximately. New concrete should be left for 28 days before applying Monoprufe® RTU 801. For best results Monoprufe® RTU 801 should be applied in 2–3 coats at 1 kg/m²/coat (for roofing application) and 0.75 kg/m²/coat (for wall application). A fibre reinforced detailing coat should be used over open joints, corners and interfaces and where differential movement may induce additional stress in the membrane. Substrate should be completely dry. In case of raining, let the concrete substrate to dry for 3days before application.

MIXING

Monoprufe® RTU 801 is supplied pre-blended and ready to use however after storage you may find some slight separation of components inside the bucket. This is normal and the product can be restored by a simple remixing using a slow speed mixer or light hand mixing with a spatula.

CLEANING OF TOOLS

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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