

## PRODUCT DATA SHEET

# Monoprufe® RTU-201

### SEAMLESS UV STABLE ELASTOMERIC WATERPROOF MEMBRANE

#### DESCRIPTION

Monoprufe® RTU-201 offers a cold applied, seamless, UV stable, moderately trafficable membrane. A surface applied roof finish with excellent waterproofing, elasticity, bond and long term durability characteristics.

Primarily intended for metal roofs and other roofing areas where maintenance access is minimal. Monoprufe® RTU-201 is decorative, provides an architectural finish and is available in a range of standard roofing colours with colour matching on request.

Monoprufe® RTU-201 can be applied onto a broad range of substrates. Good bond performance can be achieved onto powder coated, epoxy painted, galvanised and similar metal roofs; both glazed and natural ceramics and sound cementitious screeds, renders and concretes; plywood and sound bitumen can also be treated.

#### USES

- Flat roofs
- Maintenance areas
- Balconies
- Canopies

#### CHARACTERISTICS / ADVANTAGES

- Single pack – easy to mix and install
- Heat reflective & insulating properties
- Decorative and practical
- No discolouration, no yellowing
- UV stable
- Low VOC

#### PRODUCT INFORMATION

<b>Packaging</b>	1, 4, 20 kg pack
<b>Colour</b>	Black, Grey, White and Transparent
<b>Shelf life</b>	12 months
<b>Storage conditions</b>	Monoprufe® RTU-201 should be stored at temperatures between 10 °C and 30 °C.

#### TECHNICAL INFORMATION

<b>Shore A Hardness</b>	65	(ASTM D2240 Shore A)
<b>Elongation at Break</b>	> 300 %	
<b>Tensile Adhesion Strength</b>	> 0.5 MPa	

# APPLICATION INSTRUCTIONS

## SUBSTRATE PREPARATION

Monoprufe® RTU-201 must be applied onto clean cool metal or sound concrete, screed or similarly supportive ceramic substrate. The substrate should be clean, free of oil, grease and other removable contaminants. Open textured surfaces like mortar or concrete should be slightly damp. Some substrates, especially poor or textured ones may require a primer such as Rona-bond® Surface Sealer to ensure a good bond. If in doubt we strongly advise you to conduct trials with and without the primer. New concrete should be left for 28 days before applying Monoprufe® RTU-201. After application Monoprufe® RTU-201 is typically about 1 mm thick and as such will show the contours and variations in the substrate. Make sure to make good any such variations before application. For best results Monoprufe® RTU-201 should be applied in at least 2 coats. An additional fibre reinforced detailing coat should be used over open joints, corners and interfaces and where differential movement may induce additional stress in the membrane.

## MIXING

Monoprufe® RTU-201 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.

## APPLICATION

### Detailing Coat

For areas where excessive movement may be expected Sika insists on using Monoprufe® Fabric with Monoprufe® RTU-201 to reinforce those areas. In this case cut the fabric to the size and shape necessary in advance and apply onto the first coat as soon as it has been applied, i.e. while the first coat is still wet. A simple patting motion with the brush should be enough to bring the resin through the fabric. Allow this first coat to dry for at least 4 hours or until it can receive foot traffic without sustaining damage. Supplied in strips of 32 m long by 0.25 m wide the fabric can be cut for application across simple joints with an overlap of at least 50 mm each side or left at 250 mm wide for an overlap to 125 mm each side for the more complex areas and corners.

### First Coat

Brush or squeegee & roll the first coat throughout the entire area to be treated. If the surface has been primed then the primer must be dry before commencing the application. Work the material into the surface concentrating on the rough areas and aiming to apply approx. 1.5 kg to 2 kg per m<sup>2</sup> of mixed product. This will depend on the condition of the substrate but should equate to a little less than 1mm in thickness.

### Final Coat

After drying of the first coat apply a second coat of Monoprufe® RTU-201 in the same way but this time take additional care of the application thickness. Ensure an even coating of approximately 1 mm thickness and taking care with the application technique especially in areas which will remain readily visible as the drying finish and texture will be effectively permanent.

### Curing

Curing time will depend on the ambient conditions but the surface should be left undisturbed at least until the next day and preferably 2 to 3 days. This will be especially important at temperatures below 20°C. Lots of ventilation is also important, for work carried out undercover or indoors fans will help to shorten the curing time.

## CLEANING OF EQUIPMENT

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

## 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.

## 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.

### SIKA HONGKONG LTD.

Rm.1507-12, Blk A, New Trade Plaza,  
6 On Ping Street, Shatin, N.T., H.K.  
Phone: +852 26868108  
Fax: +852 26453671  
Mail: marketing@hk.sika.com  
Website: www.sika.com.hk



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