

# PRODUCT DATA SHEET

## Ronabond® PU 55

### ELASTOMERIC FOAMING POLYURETHANE GROUT

#### DESCRIPTION

Ronabond® PU 55 is an MDI based, single-component polyurethane resin. This system reacts rapidly when in contact with water to provide an elastomeric polyurethane closed cell foam seal capable of shutting down water leaks, seepage, and sealing cracks. Ronabond® PU 55 is a pre-catalysed low viscosity resin that is designed to form a resilient elastomeric seal in cracks and voids.

#### USES

- High speed sealing of leaking cracks
- Back grouting and sealing
- Sealing pipe joints and tunnel sections

#### CHARACTERISTICS / ADVANTAGES

- Safer than TDI based products
- Low viscosity
- Resistant to mild acids, alkalis and common chemicals
- Non-flammable
- Single component
- Form a flexible elastomeric closed cell foam seal
- Maintains seal under repeated wetting cycles
- Accommodates movement and vibration

#### PRODUCT INFORMATION

<b>Packaging</b>	20 kg drum
<b>Colour</b>	Clear
<b>Shelf life</b>	12 months from the date of production
<b>Storage conditions</b>	Stored properly in undamaged and unopened original sealed packaging in the temperature range +10 °C to +40 °C. Protect from direct sunlight and frost.
<b>Density</b>	Approx. 1.1 kg/litre
<b>Flash Point</b>	> 150 °C
<b>Viscosity</b>	< 700 MPas at 20 °C

#### APPLICATION INFORMATION

<b>Reaction Time</b>	< 120 sec at 20 °C
<b>Ambient Air Temperature</b>	+5 °C to +40 °C

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

Ronabond® PU 55 is pre-catalysed and does not require the addition of any catalyst on site. The recommended application method is to use a single-component high-pressure pump to inject the resin into cracks or soil. Under special circumstances where the water pressure is low or the volume to be injected is small a grease gun or cartridge gun can be used.

### 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.

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