

## PRODUCT DATA SHEET

# Monoset<sup>®</sup> Grout

Surface primer and bond coat for Monoset<sup>®</sup> RX

## DESCRIPTION

Monoset<sup>®</sup> Grout is a pre-packed bottle of liquid which requires to be mixed with Ordinary Portland Cement. It is used to protect steel reinforcement and to form a Monolithic bond between Monoset<sup>®</sup> RX and the substrate concrete.

## USES

- Internal and external application
- Steel reinforcement protection
- Surface bond coats

## CHARACTERISTICS / ADVANTAGES

- High bond strength
- Water based
- Easy to use
- Low VOC

## PRODUCT INFORMATION

<b>Packaging</b>	5 litres or 30 litres drum
<b>Shelf Life</b>	9 months from the date of production
<b>Storage Conditions</b>	Stored properly in undamaged and unopened original sealed packaging in the temperature range +5 °C to +35 °C. Protect from direct sunlight, moisture and frost.
<b>Appearance / Colour</b>	Milky white

## TECHNICAL INFORMATION

<b>Tensile Adhesion Strength</b>	> 1 MPa at 28 days	(HKHA/MTS Specification Part D Clause 2.1.14)
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## APPLICATION INFORMATION

<b>Consumption</b>	Approx. 4–8 m <sup>2</sup> /litre depends on porosity of substrate
<b>Ambient Air Temperature</b>	> 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.

## 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

All defective concrete should be removed to leave a sound stable substrate for the repair material. Loose rust and scale should be removed from exposed reinforcement. Cut around the perimeter of the repair areas to a minimum depth of 6 mm to avoid feather edges. Concrete surfaces to be primed must first be wetted with clean water. Remove any surface water or puddles before priming.

### APPLICATION METHOD / TOOLS

Pour the Monoset® Grout liquid into a suitable mixing vessel and slowly add the cement mixing with slow speed drill until homogeneous mixture is achieved. The addition of cement should be at the ratio of 1 part of Monoset® Grout to 1 part of OPC by volume. Once mixed prime any steel reinforcement and allow the primer to become tacky. Then brush apply a second coat of primer to the reinforcement and a first coat to the concrete surfaces. Whilst the primer is wet/tacky it should be over coated with the Monoset® RX. If the primer should dry it must be cross hatch scratched and reapplied.

### 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.

#### 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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## 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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