

PRODUCT DATA SHEET

Monoset[®] RX

Ultra Rapid Hardening Mortars for Floor Repairs and Bedding

DESCRIPTION

Monoset[®] RX is a prepacked polymer modified water-proof mortar designed for repairing existing floors or laying new floors where waterproofing and speed of strength gain is of paramount importance. Monoset[®] RX is manufactured from a blend of non-shrink cements, rapid hardening fillers and waterproofing admixtures. Monoset[®] RX will achieve a monolithic bond to most cementitious substrates and will accept foot traffic in about one hour of placement.

USES

- Kitchens
- Balconies
- Watertanks
- Roofs
- Concrete repairs
- Flooring works

CHARACTERISTICS / ADVANTAGES

- High early strength gain
- Reduces down time and disruption
- Water based low odour formulation
- Easy to apply
- Excellent waterproofing characteristics
- HKHA approved material
- Low VOC

PRODUCT INFORMATION

Packaging	33.6 kg per pack (30 kg bag of powder & 3.6 kg drum of liquid)
Shelf Life	6 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, moisture and frost.
Appearance / Colour	Concrete grey

Density

2200 kg/m³

TECHNICAL INFORMATION

Compressive Strength	Age at Test	Monoset® RX Typical Performance	Test Method
	2 hours	> 5 MPa	HKHA MTS Spec Part D Clause 2.1.1
24 hours	> 15 MPa	HKHA MTS Spec Part D Clause 2.1.1	
28 days	> 40 MPa	HKHA MTS Spec Part D Clause 2.1.1	

Tensile Adhesion Strength	Age at Test	Monoset® RX Typical Performance	Test Method
	28 days	> 1 MPa	HKHA MTS Spec Part D Clause 2.1.14

Shrinkage	Age at Test	Monoset® RX Typical Performance	Test Method
	1–28 days	No cracks between 1 & 28 days	Coutinho Ring Method HKHA MTS Spec Part D Clause 2.1.6

Water Absorption	Age at Test	Monoset® RX Typical Performance	Test Method
	28 days	< 0.015 ml/m ² /s at 120 minutes	BS 1881 Part 5

APPLICATION INFORMATION

Consumption	Approx. 60 packs/m ³
Ambient Air Temperature	> 5 °C
Initial Set Time	Approx. 30 minutes

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.

VOC DATA

< 10 g/litre when tested in accordance with USEPA method 24

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Provide structurally sound and clean substrate to receive high strength screed. Ensure the surface is free

from grease, oil, dirt and other deleterious material. Concrete surfaces to be primed must first be wetted with clean water. Remove any surface water or puddles before priming. Apply Monoset® Primer or a mixture of Monoset® Grout and cement (1:1 by volume).

MIXING

Mix components using drill and paddle or mechanical pan mixer close to area of use.

APPLICATION

Trowel apply onto wet or tacky primer. Finish with float or trowel. When bedding, the underside of the component must also be primed.

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.

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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