

PRODUCT DATA SHEET

Ronabond CRM 40

Pre-bagged Class 40 Polymer Modified Concrete Repair Mortar

DESCRIPTION

Ronabond® CRM 40 is pre-bagged Class 40 polymer modified concrete repair mortar. It is specially designed for general repairs to both structural and non-structural concrete. The polymer additive in the Ronabond® CRM 40 mortar enhances the corrosion protection performance on the steel reinforcement.

CHARACTERISTICS / ADVANTAGES

- Pre-bagged for quality assurance
- Single pack requiring only the addition of water
- Simple to mix and apply
- Suitable to apply for both vertical and overhead position
- Non-sag and easy to achieve smooth finishes

USES

- Repair spalling concrete
- Repair honeycomb concrete
- Corrosion protection of steel reinforcement
- Structural and non-structural concrete repair
- High performance external wall plastering

PRODUCT INFORMATION

Product Declaration	Test Description	Age at Test	Ronabond® CRM 40 Typical Performance
	Compressive Strength	28 days	30-60 MPa
	Tensile Strength	7 days	≥ 2.0 MPa
	Elastic Modulus	28 days	15-25 KN/mm ²
	Bond Strength	7 days	≥ 2.0 MPa
	Coutinho Ring	1-28 days	No cracks
	Figg Air Permeability	35 days	≥ 200 seconds
Packaging	25 kg bag		
Shelf Life	9 months from the date of production		
Storage Conditions	Stored properly in undamaged and unopened original sealed packaging in dry conditions. Protect from direct sunlight, moisture and frost.		

APPLICATION INFORMATION

Consumption	Approx. 58 bags/m ³
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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

For use as concrete repair

Surface Preparation

- All defective concrete should be removed to leave a sound substrate
- Loose rust and scale should be removed from exposed reinforcement
- Cut around the perimeter of the repair area to a minimum depth of 6 mm to avoid feather edges

Surface Priming

- Concrete surfaces to be primed must first be thoroughly wetted with clean water
- Mix the primer by the following ratio :
Ronafix® : Cement = 1:1.5 by volume OR 1:2.0 by weight
- Prime the steel reinforcement and allow to become tacky
- Prime the steel reinforcement again and the previously dampened concrete surfaces

MIXING

Mix the whole bag of Ronabond® CRM 40 with 4.25 litres clean water approximately to even consistency with the aid of a mechanical mixer.

APPLICATION

- Apply the well mixed Ronabond® CRM 40 mortar to the prepared and primed substrate before the primer coat dries
- Application thickness should be between 6–40 mm per layer
- Intermediate layers should be scratched or keyed and primed before the next layer is applied
- Finish the repair to the desired profile using steel trowel or wood float
- Allow the repair area to cure properly and consult with Sika technical department for curing method in severe conditions

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- Minimum cover to reinforcement should be 10 mm

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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