

PRODUCT DATA SHEET

Ronabond® Floor Screed HD

Polymer Modified Pre-bagged Waterproof Floor for Heavy Traffic

DESCRIPTION

Ronabond® Floor Screed HD is a prepacked SBR polymer modified mortar. It is used to repair or relay areas of concrete floor which are damaged, worn or eroded as a result of wear, impact or attack. The cured mortar bonds securely to suitably prepared surfaces, is waterproof and is available as a screed or a topping material. It is used in industrial, commercial and residential premises to repair and resurface floors in thin or thick section to provide a hardwearing and durable screed for floor finishes or as the wearing surface. Ronabond® Primer is used to provide good adhesion between the mortar and the substrate. Careful surface preparation is essential to ensure adhesion and performance.

USES

- Driveways
- Carparks
- Loading bays
- Roof screeds

CHARACTERISTICS / ADVANTAGES

- High strength floor repairs
- Heavy duty grade for wearing surfaces
- Prepacked for control and convenience
- High abrasion and impact resistance
- Waterproof
- Low VOC
- Can contribute to LEED certification

PRODUCT INFORMATION

Product Declaration	Age at Test	Ronabond® Floor Screed HD Typical Performance	Test Method
	1 & 28 days	No crack between 1 & 28 days	Coutinho Ring (TM6)
Packaging	29.5 kg per pack (25 kg bag of powder & 4.5 kg drum of liquid)		
Shelf Life	9 months from the date of production		
Storage Conditions	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.		
Appearance / Colour	Concrete grey		

TECHNICAL INFORMATION

Compressive Strength	Age at Test	Ronabond® Floor Screed HD Typical Performance	Test Method
	7 days	> 30 MPa	BS6319 : Part 2 : 1983
	28 days	> 40 MPa	BS6319 : Part 2 : 1983
Tensile Adhesion Strength	Age at Test	Ronabond® Floor Screed HD Typical Performance	Test Method
	7 days	> 1.0 MPa	HKHA MTS Specification Part D Clause 2.1.15 (method 1)
	28 days	> 1.0 MPa	HKHA MTS Specification Part D Clause 2.1.15 (method 1)
Water Absorption	Age at Test	Ronabond® Floor Screed HD Typical Performance	Test Method
	28 days	< 0.07 ml/m ² /s @ 10 min	Initial Surface Absorption Test (BS1881 : Part 208)
	28 days	< 0.04 ml/m ² /s @ 30 min	Initial Surface Absorption Test (BS1881 : Part 208)
	28 days	< 0.03 ml/m ² /s @ 60 min	Initial Surface Absorption Test (BS1881 : Part 208)

APPLICATION INFORMATION

Consumption	Approx. 50 packs/m ³ (with 16 kg 5–10 mm aggregate added per pack)
Ambient Air Temperature	> 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

Surface Preparation

The substrate on which Ronabond® Floor Screed HD is being placed must be structurally sound and stable and suitable to receive a high strength topping. All grease, oil, dirt and deleterious material must be removed and the surface vacuum cleaned. Surfaces should ideally be scabbled or mechanically abraded to expose the aggregate and provide a mechanical key. The substrate must be sufficiently strong and sound to receive a high strength topping. Any defect or weakness in the substrate may result in failure of the screed/topping placed in contact with it.

The recommendations given in BS8204 Part 3 should be followed to assess the suitability of the substrate and maximize the performance of the topping.

Surface Priming

Ronabond® Primer must be applied to the damp surface immediately before applying the Ronabond® Floor Screed HD. Mix the primer thoroughly and apply evenly over the surface ensuring total and uniform coverage taking care to avoid ponding. Only prime an area of floor which can be covered by the topping within the working time of the primer.

Note that the primer must not be allowed to dry. If it does it must be thoroughly cross hatch scratched and reapplied.

MIXING

Ronabond® Floor Screed HD should be mixed in a forced action mixer or using a slow speed drill (typical 500 rpm) and paddle. Place the whole bag of powder in the mixing vessel, add maximum 16 kg 5–10mm aggregates if the application thickness is over 25 mm. Pour the whole drum of gauging liquid into the mix. Mix for two minutes to achieve a homogeneous workable mortar.

APPLICATION

As soon as the material is mixed place it onto the wet/tacky primer, compact, rule and close with a float or trowel. Avoid overworking the surface. Ronabond® Floor Screed HD should be used for vehicle traffic with thickness over 25 mm.

Finishing and Curing

Finish the surfaces to the desired profile using a wood or steel float or trowel. After finishing the surfaces should be cured using Monocure 50 or by covering with close contact polythene sheeting for at least three days.

CLEANING OF TOOLS

Clean all tools and 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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