

PRODUCT DATA SHEET

Ronabond® Tile Adhesive

High Strength, Prepacked Tile Bonding Adhesive

DESCRIPTION

Ronabond® Tile Adhesive is a polymer reinforced modified cement-based tile adhesive for thin or thick bed fixing of terracotta, ceramic and mosaic tiles. Ronabond® Tile Adhesive has good adhesion and water resistant properties which are not affected by the presence of moisture.

USES

- High strength bonding for ceramic tiles, slate and terracotta tiles
- Internal and external application
- Kitchens, bathrooms, showers, lobbies

CHARACTERISTICS / ADVANTAGES

- Prepacked for control and convenience
- Simple to mix and easy to apply
- Water resistant
- Good bond strength
- Reduce efflorescence
- Low VOC
- Can contribute to LEED certification

APPROVALS / STANDARDS

- Conforms to BS 5980 Class AA adhesive
- Meet BS EN 12004 requirement

PRODUCT INFORMATION

Packaging	25 kg bag
Shelf Life	9 months from the date of production
Storage Conditions	Stored properly in undamaged and unopened original sealed packaging the dry conditions. Protect from direct sunlight, moisture and frost.
Appearance / Colour	Grey

TECHNICAL INFORMATION

Product Data Sheet
Ronabond® Tile Adhesive
July 2024, Version 01.01
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Tensile Adhesion Strength	> 950 N	14 days under normal conditions	(BS 5980)
	> 560 N	7 days under normal conditions followed by 7 days immersion in water	
	> 0.5 MPa	Initial tensile adhesive strength	(EN 12004)
	> 0.5 MPa	after water immersion	
	> 0.5 MPa	after heat aging	
	> 0.5 MPa	after freeze - thaw cycle	
Shear Adhesion	> 8.9 kN	14 days under normal conditions	(BS 5980)
	> 4.5 kN	7 days under normal conditions followed by 7 days in an oven 100 °C	
	> 4.5 kN	7 days under normal conditions followed by 7 days immersion in water	

APPLICATION INFORMATION

Consumption	Approx. 1.2 kg powder/m ² /mm (Depend on surface profile & size of notched trowel)	
Layer Thickness	3–6 mm	
Mixing Ratio	Approx. 6–7 litres of clean water per 25 kg bag of powder	
Pot Life	Approx. 2 hours	
Open Time	Over 20 minutes Over 30 minutes	(BS 5980) (EN 12004)

BASIS OF PRODUCT DATA

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

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.

LIMITATIONS

Do not exceed the recommended water dosage. Apply only to sound, prepared substrates. Do not exceed the maximum layer thicknesses.

Protect freshly applied material from freezing conditions and rain etc.

Do not attempt to dampen the applied adhesive to extend the open time as this interferes with the bond performance.

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

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Any debris, surface spots, loose material or mould release oil on the application surface must be removed using appropriate means. Thoroughly saturate the substrate with clean, cold water.

MIXING

Place approximately 6–7 litres of clean, potable water into the mixing vessel. Slowly add the total contents of Ronabond® Tile Adhesive powder into the mixing vessel. Initially, mix continuously for at least 3 minutes using an electric drill with paddle, until all powder has been wetted out and a uniform homogeneous paste is achieved. Allow the mixture to rest for at least 5 minutes and re-mix the material for another 1 minute before applying the tile adhesive mixture to the surface. The mixed tile adhesive should be kept in the mixing vessel and protected from direct sunlight. The mixed tile adhesive should be used within 2 hours of initial mixing.

APPLICATION

Use a straight edged plastering trowel; spread the tile adhesive onto the surface for tiling. Limit the application of the tile adhesive to an area that will have tiles set to the surface whilst the applied adhesive is still tacky. Use a notched trowel to form ribs into the surface of the applied adhesive. Check adhesive surface for tackiness using a finger, prior to placing tiles. Non-tacky adhesive must be removed. Set and tap the tiles well into place, ensuring void-free contact into the tacky adhesive. Check for complete adhesive contact by prizing off a tile. Allow the adhesive sufficient time to achieve initial set and hardness; when tiles can no longer be adjusted. Remove all adhesive from the width and depth of the tile joint. Clean the tile surface using a damp sponge to remove surplus adhesive. Form movement joints in accordance with BS 5385. For maximum effect and compatibility, fill movement joints using Sikaflex® Joint Sealant. For maximum compatibility, durability, effect and protection we strongly recommend the use of Ronafix® Colour Grout to fill the joints between the tiles. We do not recommend leaving the tile joints unfilled and exposed. If "open" joints are an aesthetic requirement, specific installation guidance must be obtained from Sika Technical Department.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use.

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July 2024, Version 01.01
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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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