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PRODUCT DATA SHEET

Ronabond® Rapid Set Tile Adhesive

A High Strength and Quick Setting Tile Bonding Adhesive

DESCRIPTION

Ronabond® Rapid Set Tile Adhesive is supplied as a two component product which when mixed together forms a polymer reinforced cementitious tile adhesive for thin or thick bed fixing of ceramic tiles or stones. Ronabond® Rapid Set Tile Adhesive has outstanding adhesion and fast setting properties which is ideal for application where the down time must be kept to minimum. It is ideal for fixing ceramic tiles, paving tiles, brick, slate, marble and stone to cement based substrates on both internal and external faces. It can be used in kitchens, bathrooms, showers, lobbies, facade, swimming pools and areas exposed to constant dampness, mild acids or alkalines.

USES

- High strength bonding for large ceramic tiles, granite, marbles and stones
- Internal and external application
- Shopping arcades
- Kitchens, bathrooms, showers, lobbies

CHARACTERISTICS / ADVANTAGES

- Prepacked for control and convenience
- Simple to mix and easy to apply
- Waterproof and water resistant
- Superior high early tensile bond strength
- Conforms to EN 12004 C2FT adhesive
- Low VOC

PRODUCT INFORMATION

Packaging	31.4 kg per pack (25 kg bag of powder & 6.4 kg drum of liquid)
Shelf Life	6 months from the date of production
Storage Conditions	Stored properly in undamaged and unopened original sealed packaging. Protect from direct sunlight, moisture and frost.

Appearance / Colour	Grey

TECHNICAL INFORMATION

Tensile Adhesion Strength	≥ 0.5 MPa (at 6 hours) > 1 MPa (at 28 days) > 1 MPa (after water immersion) > 1 MPa (after heat aging) > 1 MPa (after freeze-thaw cycle)	(EN 12004)
Slip Resistance	< 0.5 mm	(EN 12004)

APPLICATION INFORMATION

Yield	Approx. 1.2 kg powder/m²/mm	
Layer Thickness	3–6 mm	
Ambient Air Temperature	> 5 ºC	
Open Time	Over 10 minutes	(EN 12004)

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.

LIMITATIONS

Apply only to sound, prepared substrates. Do not exceed the maximum layer thickness.
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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Any debris, surface snots, 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 the total contents of Ronabond® Rapid Set Tile Adhesive gauging liquid into the mixing vessel. Slowly add the total contents of Ronabond® Rapid Set 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 2 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 30 minutes 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.

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Movement Joints

Form movement joints in accordance with BS 5385. For maximum effect and compatibility, fill joints using Sikaflex® Joint Sealant.

Grouting

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.

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

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