RonaFloor
FLOORING & BEDDING

CE

RonaBond Bedding Mortar

Pre-packed mortar for bedding brick slips and building components

FEATURES

- pre-packed brick slip bedding mortar
- thin section application
- waterproof and frostproof
- excellent durability
- monolithic adhesion
- high strength and waterproof

Description

RonaBond Bedding Mortar is used to bond brick slips, copings and other components to concrete and building surfaces. The cured mortar has high physical strength, is waterproof and frost proof and will not break down through frost action.

Ronacrete Standard Primer is used to provide monolithic adhesion between the mortar, the slip and the substrate. Careful surface preparation is essential to ensure adhesion, long term durability and performance.

Performance Data

Freeze / thaw cycle tests

Temperature Range	-18°C/+20°C
Flexural Strength Initial	11.6N/mm²
Flexural Strength After 120 Cycles	11.0N/mm²

Pull off tests—Calcium Silicate Brick

Normal Cure	1.05N/mm²
Immersed in $CaC0_3$	0.50N/mm²
Freeze / Thaw (50 cycles)	0.71N/mm²
Thermal Cycling	0.81N/mm²

Pull off tests—Clay Bricks

Normal Cure	1.55N/mm²
Immersed in $CaC0_3$	1.07/mm²
Freeze / Thaw (50 cycles)	1.03N/mm²
Thermal Cycling	1.28N/mm²

In no case did the brick / mortar or concrete / mortar bond fail.

Compressive Strength

1 day	**22N/mm²**
3 days	**34N/mm²**
7 days	**42N/mm²**
28 days	**53N/mm²**

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Performance Data (continued)

Tensile Strength	
7 days	5.7N/mm²
28 days	8.4N/mm²
Flexural Strength	
7 days	15.8N/mm²
28 days	19.1N/mm²

Physical Properties

Pack Size	25kg
Packs required per m³	91 packs
Yield per pack	11 litres
Coverage per pack	1m² @ 11mm
Min / max application depth	6mm / 10mm

Coverage

One 25kg pack of RonaBond Bedding Mortar will fix 70 slips (65mm x 225mm) using a 10mm bed. One 2kg pack of Ronacrete Standard Primer is sufficient for 150 slips (concrete surface and slip).

Instructions for Use

1. The surface to receive the slip must be mechanically prepared to ensure it is structurally sound and stable and strong enough to support the weight of the slip and the mortar.
2. The surface must be mechanically abraded by scabbling, needle gunning or similar methods to provide a strong, laitence free profile. Any coatings must be removed back to clean, sound concrete. Clean the surface to remove dust and debris.
3. The back of the brick slip / component must be cleaned to remove loose material and any contamination.
4. Damp the surface and the back of the slip / component with clean water; remove excess water.
5. Apply a single coat of Ronacrete Standard Primer to the damp surfaces; the primer must remain wet or tacky and must not dry before the mortar is applied.
6. Mix RonaBond Bedding Mortar as described (see Mixing).
7. Trowel the mortar on to the back of the slip / component, or on to the surface, to a bed depth of 6-12mm (typically).
8. Place the slip / component in to the mortar, position and brace. Ensure total contact between the slip / component, mortar and concrete.
9. Support the slip as necessary until the mortar has hardened sufficiently.
10. Avoid staining the face of slip with the primer or mortar.

Mixing

RonaBond Bedding Mortar provides optimum performance when machine mixed in a forced action mixer (eg. Creteangle pan mixer). Do not use a free fall mixer. Mix the dry components and when evenly dispersed add the minimum amount of the supplied gauging liquid to provide sufficient workability for compaction and surface finish.

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Application Temperature

RonaBond Bedding Mortar can be used in most weather conditions and in a wide temperature range, typically from +3°C to 25°C and above. Note that at high ambient temperatures the working time of the mix will be reduced; it will be increased at lower temperatures. Ideally store materials between 10°C and 20°C before use.

Technical and Test Data

Note that all quoted data is based on laboratory tests conducted at 20°C. Cubes, tested at 28 days, are 100mm and air cured. Results shown are MAXIMUM laboratory strengths achieved by casting and curing cubes in ideal working conditions; site strengths will be lower.

Shelf Life and Storage

RonaBond Bedding Mortar should be stored unopened between 5°C and 25°C in dry warehouse conditions and out of direct sunlight. In these conditions shelf life is approximately 9 months.

Health and Safety

Refer to Safety Data Sheet.

Site Attendance

When on site Ronacrete representatives are able, if asked, to give a general indication of the correct method of installing a Ronacrete product. It is important to bear in mind that Ronacrete Ltd is a manufacturer and not an application contractor and it is therefore the responsibility of the contractor and his employer to ensure he is aware of and implements the correct practices and procedures to ensure the correct installation of the product and that liability for its correct installation lies with the contractor and not with Ronacrete Ltd.

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Ronacrete Ltd,
Flex Meadow, Harlow
Essex, CM19 5TD, UK

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Masonry Mortar

Product: RonaBond Bedding
Compressive Strength at 28 days at 20C: > 45N/ mm2
Content of Chlorides : < 0.1%
Reaction to Fire: A2-s1,d0
Capillary Water Absorption: W1 < 0.40kg /m2 . min0.5
Dangerous Substances : Refer to Safety Data Sheet

Ronacrete WORLD CLASS MANUFACTURER
Ronac House, Flex Meadow, Harlow, Essex CM19 5TD, U.K.
Tel: +44 (0)1279 638700 www.ronacrete.co.uk technical@ronacrete.co.uk