

STONE BOND

Cement-based Adhesive for Natural and Artificial Stone

Description

STONE BOND is a cement-based powder adhesive for natural and artificial stone. It is formulated from Portland cement, selected aggregates, fiber and special chemical additives to provide excellent bonding with high early strength.

STONE BOND has a rapid setting and hydration time to prevent vertical slipping, in improve adhesion for internal and external applications.

Features & Benefits

- Easy to apply, just need to be mix with water
- High workability.
- Early setting time, high strength.
- Non-slipping properties.
- Low VOC, Eco-friendly
- Specially formulated for hot climatic conditions

Uses

STONE BOND can be used as an adhesive for fixing internally and externally natural or artificial stone, on both walls and floors. It can be used also for fixing all types of ceramic tiles, vitreous mosaic, marble, clinker, porcelain, single-fired tiles and low porosity materials,

Technical Properties

Appearance	Cementitious powder
Color	Grey, White
Wet Density	1,750 Kg/m ³ approx.
Open time	25 min @ 25°C
Compressive strength	20 N/mm ²
Flexural strength	6.5 N/mm ²
VOC	<1.0 g/L
Adhesion Strength	1.8 N/mm ² @ 28 days
Water resistance	Excellent
Slip resistance	Excellent
Time for grouting	24 hours
Full strength	14 days

All values are subject to 5-10% tolerance

Standards Compliance:

- BS 5980
- DIN 18156, Pt. 2
- ANSI 118.1

Application Procedures

Surface preparation:

Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean. Rough surfaces are to be evened or filled first with one of repairing products before tilling. Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of membrane application. All surfaces are to be free of sharp protruding surfaces, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods. Moisten the surface with clean water.

Gypsum substrate should be primed with ULTRABOND AR.

Mixing Instructions:

Add **STONE BOND** (25kg bag) into a container of 5.0 - 5.25 Ltr. of clean water or and mix until a uniform lumps free consistency mix is achieved. For mixing use a slow speed mechanical mixer (200-300 rpm) fitted with suitable mixing paddle. Allow product to settle for 5 minutes then lightly re-stir before use. If product is left undisturbed in external conditions it may thicken, therefore it is recommended to regularly stir during use.

Application Instructions:

Spread **STONE BOND** adhesive evenly over the substrate using notched trowel, the first pass with its

smooth part and the second pass with the toothed part. While adhesive is in a wet state, press and slide the tile at right angles to the notched line of the adhesive to ensure 100% coverage to stone backs. For large tiles and in order to achieve higher bonding it is recommended to spread the adhesive to the back of tile before placing into the notched pattern of adhesive. Remove excess adhesive from tile/stone surface and joints using damp cloth before the adhesive dry. Joints grouting between tiles may be recommended after 24 hours of tiling.

Yield/ Coverage

4 – 8 kg/ m² according to the size of stone and surface roughness.

Packaging

STONE BOND is available in 25kg bag for White or Grey adhesive.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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