

ARACO FLEX BOND

Two-Component Flexible Cementitious Tile Adhesive

Product Description

ARACO FLEX BOND is a two-component flexible cementitious polymer- modified tile adhesive.

ARACO FLEX BOND consist of blended cement with selected aggregates and special additives and polymers. When mixed with the synthetic latex liquid, **ARACO FLEX BOND** will form a highly performance tile adhesive.

ARACO FLEX BOND is ideally suitable for bonding most types of tiles and flexible substrates. This product is suitable for internal as well as external use on walls and floors.

ARACO FLEX BOND meets the requirements for BS EN 12004- 12002 Class C2TS2.

Uses

ARACO FLEX BOND is suitable to be use:

- In areas subjected to vibration
- For underfloor Heating
- In areas where thermal variation are expected
- In swimming pools
- For laying tiles over concrete and cement based screed, mortar and plaster substrate.
- For external and internal waterproofing tiling
- On drywalls such as gypsum and plaster boards
- On vertical and horizontal walls
- For tile over tile applications

Limitation

It is not recommended to use **ARACO FLEX BOND** in the following cases:

- Rubber substrate
- Steel Substrate
- PVC Substrate
- Cases that required a rapid utilization for surfaces

Characteristics

Appearance	Sandy pasty
Color	White Or Grey
Wet Density	1.72 g/cm ³
Pot Life	1 h @ 25°C
VOC	<10 g/ltr
Storage Condition	Store in a dry shaded area at temperature between 5°C and 35°C
Shelf Life	Original sealed package has a shelf life of 6 months if stored properly



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PACKAGE	25 Kg
CONSUMPTION	3 to 7 kg/m ²

Advantages

- High deformability characteristic to cope with the deformation in substrates
- Excellent Adhesion on variety
- Excellent Slip Resistance with a wide range of small to large tiles
- Suitable for dry and wet conditions
- Anti-microbial, does not support growth of microbes, algae or fungi
- Superior workability
- Water & weather Resistant
- Chemical resistant.

Surface Preparation

Substrate must be clean and free of all foreign or contaminating materials that might impair the quality of bond such as oils, grease, silt and dust, loose aggregate, sand particles, curing compound. Concrete, hollow blocks and cement based substrates must be sufficient cured and irrigated by water 1 hour prior the application. Surface should appear damp with no water pooling .Gypsum boards, plaster boards, anhydrite screeds must be sufficient dry and free from dust.

Mixing

The liquid part of **ARACO FLEX BOND** should be added to a clean container. The powder is then added to the liquid. Mix the two component with an electric drill with low rotation speed (300rpm) for 3 minutes until a lump free homogeneous paste is obtained. Allow the mix to stand for 2-3 minutes, then remixed for an additional 1 minute.

ARACO FOR ADMIXTURES & CONSTRUCTION MATERIALS S.a.l.

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TECHNICAL DATA	Results	Standard
Tensile Adhesion Strength		
In Standard Condition	1.58 N/mm ²	BS EN 1346
After water Immersion	1.53 N/mm ²	
After Freeze & Thaw Cycles	1.15 N/mm ²	
After Heat Agent	1.9 N/mm ²	
Determination of Slip		
Average Slip	0.41 N/mm ²	BS EN 1308
Determination of Open time		
At 5 min	1.9 N/mm ²	BS EN 1346
At 10 min	1.67 N/mm ²	
At 20 min	0.68 N/mm ²	
At 30 min	0.22 N/mm ²	
Determination of Wetting Capacity		
At 0 min	100%	BS EN 1347
At 10 min	100%	
At 20 min	97%	
At 30 min	83%	
Transverse Deformation		
Average Deformation	2.98 mm	BS EN 12002

Application

Spread the mixed mortar adhesive and firmly pressed onto the surface to be tiled with a notched trowel on an area that can be tiled within 10-15 minutes.

Press the tiles firmly to ensure proper bonding with the adhesive .the position of the tile can be adjusted, if required, within 5-10 minutes. Allow the installed tiles to remain undisturbed for at least 48 hours. The tile adhesive must not rise higher in the tile joints not more than half of the tile's thickness. It is recommended to use **ARACO GROUT** for filling the joints after 2 days of tiles installation.

Cleaning

Tools and equipment can be cleaned with water immediately after use .Hardened materials will require removal by mechanical means.

Safety instructions

Product may cause skin irritation. Wear gloves and goggles and apply barrier cream to hands. In contact with eyes or mucous membrane, flush immediately with plenty of warm water and seek medical attention without delay.

Legal notes

The information, recommendations and application- based on ARACO current knowledge and experience of the products when properly stored, handled and applied under normal conditions. ARACO products are guaranteed against defective materials and manufacture and are sold subject to its standard conditions. Users should always refer to the most recent Technical Data Sheet for the product concerned, copies of which will be supplied on request

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