

ARACO FLEX BOND

Two-Component Flexible Cementitious Polymer- Modified 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

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.



Package: 25 Kg

Consumption: 3 to 5 kg/m²

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.

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.

Technical Data

Tensile Adhesion Strength

In Standard Condition	1.58 N/mm ²	
After water Immersion	1.53 N/mm ²	
After Freeze & Thaw Cycles	1.15 N/mm ²	BS EN 1346
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	
At 10 min	1.67 N/mm ²	BS EN 1346
At 20 min	0.68 N/mm ²	
At 30 min	0.22 N/mm ²	

Determination of Wetting Capacity

At 0 min	100%	
At 10 min	100%	BS EN 1347
At 20 min	97%	
At 30 min	83%	

Transverse Deformation

Average Deformation	2.98 mm	BS EN 12002
---------------------	---------	-------------

Product Data

Appearance	Grey or White Sandy pasty
Wet Density	1.72 g/cm ³
Pot Life	1 h @ 25°C
VOC	<10 g/ltr
Storage condition	Store in a dry area between 5°C and 35°C. Protect from direct sunlight
Shelf Life	Original sealed package has a shelf life of 6 months if stored properly

Safety Instructions

The product may cause skin irritation. Wear gloves and goggles and apply barrier cream to your 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 are 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 sold subject to 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.

More from ARACO

A wide range of construction chemical products is manufactured by ARACO which include:

- Premixed mortar
- Tile adhesives & Grout
- Concrete Repair
- Flooring systems
- Protective Coating
- Waterproofing
- Bonding Agents
- Concrete Admixtures
- Surface Treatments
- Grout & Anchors
- Sealants
- Sports Flooring