

## 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 for bonding different types of ceramic tiles, porcelain, glass tiles, granite, marble, agglomerated marbles and resin tiles internally and externally on walls, floors and swimming pools. ARACO FLEX BOND meets the requirements for BS EN 12004- 12002 Class C2TS2.

### Applications

ARACO FLEX BOND is recommended for fixing different types of tiles on walls and floors: -

- Interior concrete surfaces /substrates.
- Rigid concrete surface /substrates.
- Power floated floors.
- Façade tiling application.
- Light weight blocks.
- Cement based plaster and renders.
- External flooring applications.
- Polystyrene boards to concrete and cementitious surfaces.
- Interior stone and brick walls.
- Gypsum Boards.

### Product Advantages

- High-water resistant.
- Water tight.
- Chemical resistant.
- Over-heated floors tiling application.
- Tiling over tiles.
- Fixing large format tiles.
- Indoor and outdoor adhesive.
- High bond strength.
- Initial grip.
- Slip resistant.
- Bonding different types of tiles

### Surface Preparation

Substrate must be clean and free of all foreign or contaminating materials such as oils, grease, silt and dust, loose aggregate or sand particles. Moisten the surfaces with a water spray bottle before applying, never moisten the tiles.



**Package:** 25 Kg

**Consumption:** 3 to 5 kg/m<sup>2</sup>

### Product Application

Mix ARACO FLEX BOND the two-component powder and liquid with an electric drill with low rotation speed (300rpm). Mix with a slow speed for 3 minutes until a lump free homogeneous paste is obtained. Always mix the required quantity, which can be consumed.

Notes: ARACO FLEX BOND can be applied easily by trowel

### Curing

Condition	Minimum Curing time
Tile grouting	As per temperature
For walls	6 to 8 hours
For Floor	1 day
Walking traffic	7 days

## Technical Data

### Flexural Strength at 28 days

Concrete 5 N/mm<sup>2</sup>

### Compressive Strength

Average strength at 28 days 14.3 N/mm<sup>2</sup>

### Tensile adhesion test

Standard conditions @ 28 days 1.57 N/mm<sup>2</sup> BS EN 1348

7days standard conditions +21 days water immersion 1.64 N/mm<sup>2</sup> BS EN 1348

14 days standard conditions+14 days @ 70°C 1.90 N/mm<sup>2</sup> BS EN 1348

21 days water immersion +25 days freeze-thaw cycle 2.10 N/mm<sup>2</sup> BS EN 1348

### Shear Strength test @ standard conditions

Shear Strength at 7 days 1.25 N/mm<sup>2</sup>

Shear Strength at 28 days 1.45 N/mm<sup>2</sup>

### Open time tensile adhesion test

5 minutes 1.64N/mm<sup>2</sup> BS EN 12004:2007

20 minutes 0.70N/mm<sup>2</sup> BS EN 12004:2007

Determination of Slip 0.34 mm BS EN 1308

### Transverse Deformation of Cementitious

Adhesives and Grout 5.70 mm BS EN 12002

Density of powder 1.55 Kg/L ± 0.05

Pot life 2 hrs at 20°C

Open time 25 minute at 20°C

Resistant to slip Excellent

## Product Data

Composition Selected aggregates, cement, special fillers, polymers and admixtures

Appearance Powder + Liquid

Color Grey and White

Storage condition Store in a dry area between 5°C and 35°C. Protect from direct sunlight

Shelf Life 12 months minimum from production date if stored properly in original unopened packaging.

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