



# ARACO EPO TILE

## Flexible Epoxy Based Tile Grout

### Product Description

**ARACO EPO TILE** is a highly flexible, fast setting, three component performance epoxy tile adhesive and grout consisting of a resin base, hardener and a select fillers.

**ARACO EPO TILE** is a chemical, abrasion, and slip resistance solvent free tile adhesive and grout.

**ARACO EPO TILE** can be applied on humid substrates due to its impermeability properties to mold, stain and water.

### Applications

**ARACO EPO TILE** is suitable for all types of ceramic tiles and stone in internal, external and exposed conditions. **ARACO EPO TILE** is ideally recommended for heavy duties, industrial applications, and hygienic environment such as:

- Swimming pools
- Laboratories
- Kitchens
- Industries
- Hospitals
- Commercial centers

### Advantages

- Fast setting
- High bonding properties
- High chemical resistance
- High abrasion resistance
- High slip resistance
- Water impermeable

### ARACO EPO TILE

Color	available in different colors
Appe	A Resin B Hardener C Selected Filler
Density	1.75±0.1 g/cm <sup>3</sup>
Pot life	40 min @ 35°C
VOC	15 g/ltr
Storage Condition	Store in a dry area between 5°C and 30°C. Protect from direct sunlight
Shelf Life	6 months minimum from production date if stored properly in original unopened packaging.



### ARACO EPO TILE

Package 15 kg kit

### Surface Preparation

Joints and tiles surfaces must be clean and free of dust or any contaminations. A damp sponge can be used to remove any form of dust and dirt.

It is recommended that surfaces are in dry condition prior to the application. However, **ARACO EPO TILE** can be applied on humid substrates.

### Consumption

#### EPO TILE FOR TILING

The consumption of **ARACO EPO TILE** varies between 2 kg to 6 kg/m<sup>2</sup> based on the type, size and spacing of the tiles.

#### EPO TILE FOR TILING

Tile grout Consumption formula:

$$C = 0.18 \times E \times H \times \frac{L+W}{L \times W}$$

With:

- E: joint width (mm)
- H: Tile thickness (mm)
- L: Tile Length (cm)
- W: Tile Width (cm)

Consumption of **ARACO EPO TILE** could vary between 0.2 kg to 0.5 kg/m<sup>2</sup>.

### Mixing

In order to obtain a homogenous mix, a mechanically powered mixer should be used. Stir the resin and the hardener individually to disperse any settlement.

The two component should be placed in a clean container and mixed together mechanically for 2 minutes. The selected filler is then added to the mixture, remixed the components A, B and C for a period for 3 minutes until a uniform color is obtained.

### ARACO FOR ADMIXTURES & CONSTRUCTION MATERIALS S.a.I.

Lebanon, Beirut: Fax: +961 8 512413/ Tel:+961 1 562510

Email: [aacm@araco-group.net](mailto:aacm@araco-group.net) / MOB:+961 3 104539



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### Technical Data

ARACO EPO TILE	TYPICAL VALUES	STANDARD
Compressive Strength	112 Mpa	ANSI 118.3
Flexural Strength	56 Mpa	ISO 13007-4,4.1.3
Adhesion on Concrete at 7 days	3.7 Mpa	BS 1881
Tensile Strength	20 N/mm <sup>2</sup>	ISO 527-1
Bond Strength after 48 hours	2.5 N/mm <sup>2</sup>	EN 1542
Water absorption after 240 min	0.08 g	ISO 13007-4,4.2
Shear adhesion strength	10.2 Mpa	ISO 13007-2,4,3.4
Shear adhesion strength after water immersion	8.5Mpa	ISO 13007-2,4,3.5
Shear adhesion strength after thermal shock	5.6 Mpa	ISO 13007-2,4,3.8
Abrasion resistance	110 mm <sup>3</sup>	ISO 13007-4,4.4
Shrinkage	0.64 mm/m	ISO 13007-4,4.3

### Application

**EPO TILE FOR TILING** Place the mixed adhesive on the substrate using a notched trowel. ARACO EPO TILE can be used as a tile adhesive for a maximum thickness of 4 mm.

Do not apply large area of adhesive that cannot be covered within the open wet time of ARACO EPO TILE.

**EPO TILE FOR GROUTING** Fill the mixed grout into the joints using a rubber trowel. Excessive grout should be cleaned with a dry clean fabric while the material is still workable.

### 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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