

## 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

#### 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.



**Package:** 4 Kg kit and 15 kg Kit

#### 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:

$$CC=0.18 \times EE \times HH \times LL + WWLL \times WW$$

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.

## Product 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.

## Technical Data

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

## Product Data

Appearance	Component A,B and C are Resin, Hardener and selected filler respectively
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 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