



# FARCO TILE BK2F

## High Flexible, Polymer Modified Cement based Tile Adhesive

### Product Description

FARCOTILE BK2F is a one component adhesive consists of different mineral powders, cement, thixotropic agents, polymer modifiers and adhesion promoters with an exceptional flexibility and optimum adhesion to the variety of building substrates.

### Application

BK2F is suitable for fixing absorptive or non-absorptive tiles, natural stone, glass mosaics, cement mosaics, decorative bricks on walls or floor on various Substrates Especially where high adhesion and moisture resistance are required such as old tile layers, floors with in floor heating, swimming pools, cement boards, gypsum boards. Suitable for indoor or outdoor use. Specially formulated for substrates or environments with changing in temperature.

### Advantages

- Suitable for water immersion tiling
- Easy mixing and easy to apply
- One component Mixture, just add water
- High final bond strength
- High flexibility

### Standard compliance

BK2F: EN 12004 - TYPE C2S2

### Physical and Chemicals Characteristics

Appearance	Gray and white powder
Specific Gravity (powder)	(1.5 ± 0.02)
PH	Alkali
Specific Gravity (paste)	1.8 ± 0.03

### Technical Data

Standards	Test Method	BK2 F
open time (N/mm <sup>2</sup> )	1346 EN	0.7 After 20 min
Tensile adhesion strength (N/mm <sup>2</sup> ) 28 days standard condition	EN 1348	1.4<
Water immersions (N/mm <sup>2</sup> )	EN 1348	1.2<
Freeze -thaw (N/mm <sup>2</sup> )	EN 1348	1.15<
Heat aging	EN 1348	1<
Slip(mm)	EN 1308	0.5 ≥
Deformability( mm)	EN 2002	3.5 ≤
Glazed tile (N/mm <sup>2</sup> )	EN 1348	0.95 ≤
Wood Panel (N/mm <sup>2</sup> )	EN 1348	0.5 ≤
Steel (N/mm <sup>2</sup> )	EN 1348	0.45 ≤

### Preparation of Adhesive

- Ready to use just add water
- Add 20kg of BK2F to approx 4.6 to 4.9 liters of cool and clean water and stir the mortar for 2-3 minutes to a smooth and homogeneous mixture.
- After stirring wait for 5 minutes, and then stir the adhesive once again.
- In case of small amounts it can be mixed with gloved hands.
- The consistency of the prepared paste must be adjusted to make the highest wet adhesion and not to be deboned easily and

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after removing the tile the back of the tile must be fully covered with the adhesive.

- If the consistency of the paste be too high the adhesion of tile on the substrate will be not good enough.

## ● Installation

- BK2F is applied to the substrate using a notched trowel; choose a trowel in order to achieve the maximum coverage of the back of the tiles. In some cases it is applied by spot bonding system

- The pot life of the prepared adhesive is 2hours at 25°C

- It is not recommendable to apply adhesive on larger surfaces that it is possible to fix tiles before the skin effect appears on the adhesive surface, first spread the adhesive with the smooth side then draw the notched side through the mass.

- The tiles are Pressed / Twisted in place in the wet adhesive.

- The maximum thickness of applied BK2F is 5mm therefore for leveling and smoothing the substrate, it is recommend using modified motors with SA12 or SA46 or applying FARCO TOP 110.

- For highly absorbent substrates, wet the surface with clean water in addition dip the dusty or highly absorbent tiles in clean water prior to installation.

- As BK2F contains cement and emulsion

polymers it is necessary to be applied at temperatures higher than 5°C.

- At cold condition and/or walls that the height is too high, install with at least one interval, minimum 6 hours.

- At present the dimension of the new designed tiles and their weight are high and also have the lowest absorbency, therefore for preventing sagging and highest efficiency it is needed to be applied in intervals.

## ● Consumption

3 to 5 kg per m<sup>2</sup> depending on the substrate condition.

## ● Grouting

Grout the joints 1 to 3 days after setting of the adhesive.

## ● Packaging

FARCOTILE BK2 is supplied in 20kg bags.

SA12 is supplied in 1, 3,8kg pails.

SA46 is supplied in 4,20kg gallons.

## ● Storage

Storage store cool, dry and in closed packaging.

## ● Shelf life

FARCOTILE BK2 Can be stored 6 month in a normal environment in original packaging.

## ● Technical Service

The SHIMISAKHTEMAN Technical Service Department is available to assist you in the correct use of our products in the field.



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