

# Eufix F-jointing

*Special flexible jointing cement mortar, category CG2.*

## USE

Eufix F-jointing is jointing material designed for joints basalt tiles in interior and exterior conditions.

## PROPERTIES

- For width of joints between 2 and 20 mm.
- Suitable for construction with dimension's changes as heated floors, large terraces subjected to sunshine.
- Jointing in bathrooms, kitchens and other areas related to hygiene.
- Jointing of industrial floors in places, where resistance to chemical substances is not required (not recommended for dilatation joints and is not resistant to acids).
- Highly hydrophobic jointing material with „Dew effect“ feature (water-repellent surface effect, which prevents the pores from becoming dirty and also significantly improves hygienic characteristics of the surface).
- Jointing of all kinds of floor and wall tiles (including mosaic) both for interiors and exteriors.

Eufix F jointing is fully prefabricates mixture of aggregates, inorganic filling agents, Portland cement, and special additives. By mixing with water in a specified ratio, you will obtain a special jointing mortar which is then physically and chemically hardened.

## TECHNICAL DATA

Improved cement jointing mortar for basalt tiles which meets the requirements on material according EN 13888, class CG2 (ArW)

### Bending strength

- when applied in dry conditions min 3.5Mpa
- when subjected to defrosting min. 3.5Mpa

### cycles

### Compression strength

- when applied in dry conditions min. 15.0Mpa
- when subjected to defrosting min. 15.0Mpa

### cycles

**Abrasive resistance (Ar)** max. 1,000 mm<sup>3</sup>

**Shrinkage** max. 2 mm/m

### Lowered absorability in water (W)

- after 30 min max. 2 g
- after 240 min max. 5 g

**Graininess** 0-0,5mm

**Gauging water** 0.22 – 0.24 l/kg

**Usable life** 2 hours

**Time till beginning of cleaning** 30min.

**Volume weight of set mortar** 1,600-1,700 kg/m<sup>3</sup>

Note: Technical parameters are set for standard conditions (23 ± 2) °C and (50 ± 5) % relative humidity.

## INSTRUCTIONS AND DATA FOR USE

### Substrate preparation

Jointing of tile may be done after initial mature of adhesive (after the time period set in the relevant technical sheet of used adhesive). The joints must be cleaned, free of dust and empty - in minimum size of 2/3 of the tile thickness. Excess adhesive must be removed before jointing. If jointing is done on porous ceramics floor or wall tiles, or in high temperature or in windy conditions, then the joints must be moistened by clear water.

### Preparation of jointing mortar

Eufix F jointing is prepared by thorough mixing of the relevant quantity of the dry powder and water. For mixing mortar you use the stirring spiral paddle with 150 - 500 rpm/min and mixing time is least 3 minutes. It is necessary to leave the mortar standing up for a minimum of 3-5 minutes after then short mixing again (about 1min.). **The ratio of mixing dry powder and water is always stated also on the label of the packaging.**

It's necessary to hold stable ratio of water/powder, in another case you can have different color of jointing mortar.

### Application

Jointing mortar is applied into the joints diagonally by using rubber spattle. It's necessary to joints were completely full. After wilting of jointing mortar (usually 20-30min.) you can start to clean tile. For cleaning you will use damp sponge and two buckets of water (one with clear water and second with dirty water). When you will start cleaning to early then the joint mortar can be partially washed out and joint would have a different colour. if you use much water for cleaning then you can have different colour of mortar too.

### Treatment

When the weather during application is extremely hot, dry or windy conditions, it is recommended to keep the joints moist for several hours, or use other methods to protect them before direct sunshine and warm wind to prevent quick drying out of jointing mortar.

Floors are walkable after 24 hours.

Pools and ponds can be filled of water after 10 days.

### Restrictions

Eufix F jointing may not be used when the temperature of air or of the sub-base drops below +5°C and keeps on falling.

The adding of bonding agents, aggregates and other additives or sifting the mixture is forbidden.

## PACKAGING

**Eufix F-jointing** 25 kg bags (1,05 t palettes)

## CONSUMPTION

Consumption of mortar is dependent on the dimensions of the tiles element and the width of the joint. The calculation is done according to the following formula:

$$\frac{(A+B) \times C \times D \times 1,5}{A \times B} = \text{Consumption v kg/m}^2$$

A = width of tile (mm)

B = length of tile (mm)

C = thickness of tile (mm)

D = width of joint (mm)

For example:

Tiles 150x150mm, thickness of 20mm and a width of joint 5 mm = consumption 2 kg/m<sup>2</sup>.

## STORAGE AND TRANSPORT

It is necessary to store the material in a dry and ventilated place. These products should be transported by covered means of transport.

## HEALTH AND SAFETY PRECAUTIONS

For further information, please see the Safety Data Sheet.

**Liquidation:** Material which wasn't been used may to be mixed with water and after hardened can to be moved to the dumping ground as inert waste!

Liquidation of contaminated packaging: It can be disposed off as other waste.

Eufix F-jointing is not flammable.

Production is subject to integrated quality assurance system pursuant to ČSN EN ISO 9001:2009 and 14001:2005.

### Important note

In case of disagreement between data in the technical documentation and data on the packaging, the determining data is located on the packaging. Products of the company EUTIT s.r.o. are subject to warranty on material and production, and its sale is subject to Conditions for the Supply of Goods and Services. Company EUTIT s.r.o. Endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it. New issue of technical specifications makes the old issue redundant.