

EUFIX EP-JF

Chemically resistant joint mortar from hardened resins

DESCRIPTION AND USE

Joint mortar EUFIX EP-JF is a two component product based on epoxy resin and special additives..

EUFIX EP-JF is a mortar from hardened resins designed for jointing and bonding of chemically resistant linings, ceramic tiles, paving and tiles from fused basalt.

It is used in chemical and industrial plants, where high chemical and mechanical resistance are required.

ADVANTAGES

- Excellent resistance to many acids, lye, oils and other chemicals
- Excellent mechanical ruggedness
- Jointing and bonding of ceramic, stone, basalt, carbon and similar tiles for chemically resistant lining
- Simple application

TECHNICAL PARAMETERS

Bending strength when laid dry	> 10 MPa
Compressive strength when laid dry	> 80 MPa
Wear resistance	< 250 mm ³
Shrinkage	< 1.5 mm/m
Water absorbing power after 240 minutes	< 0.1 g
Consistence	40 - 60 s
pH of the water leach	8
Mixing ratio	100 : 10
- resin (A) : filler (B)	
Application temperature	+15 to 20 °C
Thermal endurance	150 °C
Colour	Black

CHEMICAL RESISTANCE

Hardened EUFIX EP-JF is resistant to:

Orthophosphoric acid to 85%

Sulphuric acid to 80%

Muriatic acid 37%

Acetic acid

Formic acid to 80%

Nitric acid to 5%

Chloroacetic acid to 50%

Potassium hydroxide to 25%

Sodium hydroxide to 25%

Ammonia to 25%

Hydrogen peroxide to 5%

Sodium sulphide to 25%

Phenol, tricresol, chlorophenol

Withstands solvents acetone, ethanol-butanol, trichlorobenzene, ethyl acetate, chloroform, trichloroethylene, toluene, petrol, oil

Withstands pyridine basis, pure pyridine, aniline

Does not withstand aromatic, chlorohydrocarbons, esters

and ketones, in which it swells.

This information is for your orientation only. For information regarding other chemicals or resistance in temperatures higher than 20 °C, please contact local Redrock agent.

INSTRUCTIONS AND DATA FOR USE

Substrate preparation

Jointing should be done only when the adhesive hardens (after the time period given in relevant technical specifications). The joints need to be thoroughly cleaned, free of dust and empty in at least 2/3 of the tile thickness. Remove the excessive adhesive or cement prior to bonding. The joint must be dry, without dust and grease. Roughen glazed surfaces by rubbing (carborundum). Width of joints should be between 5 and 10 mm.

Mixture preparation

Add all component B into component A (the mixing ratio is 100 (part A):10 (part B) and mix well. Always mix volume of jointing mortar than can be used up within 30 minutes in temperature of +20 °C. The time period needed for hardening shortens in higher temperatures and gets longer in temperatures below +15 °C.

Application

Apply mixed joint mortar to the joint diagonally using a rubber spatula.

Hardening will take 24 hours at 20 °C. Process of hardening will be complete in a matter of 4 to 7 days depending on ambient temperature.

Joint mortar reaches its full chemical resistance after 28 days.

Cleaning

Remove mortar EUFIX EP-JF from the tools immediately after work using acetone before it hardens. Hardened material can be removed mechanically only.

CAUTION

EUFIX EP-JF may not be used when the temperature of the air or the substrate drops below +5°C and keeps on falling (hardening of the mortar stops completely).

COVERAGE

Mortar pointing (width app. 6 mm, tile 25x12)

Bonding 1.2 – 1.4 kg/m² of mixture
5.5 - 8 kg/m²

PACKAGING

EUFIX EP-JF set

Set 10 kg (9,09kg part A + 0,91kg part B)

STORAGE AND TRANSPORT

The product's shelf life is 12 months providing it is stored in dry and ventilated environment in temperatures between +5 °C and 30 °C. It is important to protect the product against direct solar radiation and sources of heat. These products should be transported by covered means of transport

HEALTH AND SAFETY PRECAUTIONS

For further information, please see the Safety Sheet.

Production is subject to quality management system in compliance with ČSN EN ISO 9001:2009 a 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. New issue of technical specifications makes the old issue redundant.