

KALFIX E20

Material data sheet

Consisting of
E21 resin + E22 hardener

Previous: KALFIX EB09
consisting of EB09 resin + EB09 hardener

Product features

Setting material for thin layers and for jointing ceramic wear protection materials.

KALFIX E20 is a highly elastic and temperature resistant two component epoxy resin mortar.

KALFIX E20 is also suitable for use on overhung surfaces.

KALFIX E20 is suitable for use on high grade steel.

Quality features

KALFIX E20 is designed to ensure optimal setting properties and high quality.

Product properties

Feature	Unit	Data
Working time after mixing	minutes (at 20 °C / 68 °F)	60
Curing time after application	hours (at 20 °C / 68 °F)	min. 18
Earliest start-up of component (depending on specific use)	days (at 20 °C / 68 °F)	2
Complete curing	days (at 20 °C / 68 °F)	5
Setting thickness	mm in	1.5 ... 3 1/16" ... 1/8"
Joint width	mm in	1 ... 2 3/64" ... 5/64"
Max. application temperature	°C °F	150 302
Min. application temperature	°C °F	10 50

Due to the manufacturing process, it is not possible to exclude small variations in the properties of the product. These variations are typical of epoxy-resin bonded products and may include fluctuations of working, hardening and product properties attributable to temperature and specific application.

Approximate figures are given for all technical data. They are based on assessment of tests on specific samples and cannot be considered as a guarantee for which Kalenborn would have to assume legal responsibility.

Subject to technical changes and errors.

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Preparations and working

Preparation of metallic surfaces

The subsurface shall be even and smooth.

An unevenness of more than 2 mm related to 0.5 m length is not permitted.

Projecting edges, welds or weld spatter shall be removed.

The surface shall be clean, free of dust and dry. The surface shall feature a minimum quality of SA 2.5 as defined in DIN EN 8501.

The bottommost row of tile installed with KALFIX E20 on inclined and vertical surfaces requires support until curing is complete (e.g. by means of skirting boards).

Preparation of mineral surfaces

Not applicable

Preparing the wear protection materials

The surfaces of wear protection materials such as e.g. KALOCER shall be clean, free of dust, dry and free of oil.

Preparation

- Ambient temperature during mixing and working 10 ... 30 °C / 50 ... 86 °F
- Temperature of product, wear protection material and structural component 10 ... 30 °C / 50 ... 86 °F
- Mixing ratio (portions by weight) 1 : 1
- KALFIX E21 : KALFIX E22 1 kg KALFIX E21
- Mixing period 5 ... 10 minutes
- Typical mixture + 1 kg KALFIX E22

Note:

Intense mixing with agitator required until an uniform, grey coloring, free of streaks has been reached.

1 kg KALFIX E21 + 1 kg KALFIX E22 yield approx. 1.3 liters of setting material.

Working

Smoothing trowel + toothed spatula

Apply KALFIX E20 with smoothing trowel and pass through it with the toothed spatula. Install wear protection materials by slight pressure. Remove excess setting material from joints.

Miscellaneous

Packaging	2.8 kg KALFIX E21 2.8 kg KALFIX E22
Storage in closed packaging	12 months, dry, at min. temp of 15 to 35 °C / 59 to 95 °F
Industrial safety and pollution control	safety data sheets with every 1 st supply or on request

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