Product Datasheet

2-C Reaction Resin Adhesive

CODEX FLIESOPUR

High flexibility polyurethane adhesive

APPLICATIONS

Low-slump, rapid setting reaction resin tile adhesive according to EN 12 004 R2 T. For the installation of wall and floor coverings from ceramic tiles, plates, mosaic, glass tiles, calibrated natural and concrete stone slabs. Suitable for interior and exterior walls and floors.

LEED: Meets the LEED requirements in IEQ Credit (4.1) Low Emitting Materials - Adhesives and Sealants (LEED v4)



SUITABLE FOR

- Fine and coarse ceramic tiles and slabs
- Earthenware, stoneware, clinker
- Fine stoneware
- Large format tiles
- Glass and porcelain mosaics
- Natural and concrete stone slabs
- Natural stone sensitive to moisture (e. g. serpentine)
- Resin-bonded tiles and slabs

SUITABLE ON

- Wooden substrates such as chipboards or OSB panels
- Metal surfaces
- Old ceramic tiling and PVC flooring
- Gypsum plasterboards and fibreboards
- Tile carrier elements
- Cement-, lime-cement- and gypsum plaster
- Concrete
- Cement and calcium sulphate screeds
- Magnesia screed
- Polyester (FRP)
- Mastic asphalt screed
- Warm water underfloor heating systems

PRODUCT BENEFITS/FEATURES

- Deformable
- Tension-compensating
- For highest demands
- Waterproof
- Solvent-free

TECHNICAL SPECIFICATIONS

Pack type	plastic bucket
Pack size	4 kg, 6 kg
Shelf life	12 months
Color	beige
Minimum working temperature	+ 10 °C
Ideal working temperatures	+ 10 °C to + 25 °C
Mixing ratio	A : B = 7 : 1 parts by weight
Working Time/ Pot Life	approx. 45 minutes*
Set to foot traffic	after approx. 12 hours*
Ready for jointing	after approx. 12 hours*
Resilient	after approx. 7 days
Final strength	after approx. 7 days*
Burning behaviour	E
Consumption	2.4 - 2.7 kg/m²

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SUBSTRATE PREPARATION

The substrate must be sound, dry, flat, free of cracks, clean, load-bearing and free of materials that could impair adhesive.

Test the substrate in accordance with applicable standards and bulletins and report any deficiencies. Mechanically prepare smooth concrete surfaces, adhesion-reducing or weak layers and clean dust-free, if necessary.

Prepare substrate according to type and properties with suitable primers and levelling compounds from the codex range of products. Prime mineral-based substrates and/or substrates that give off alkaline moisture with 2-C Epoxy Primer codex FG 550 and continue processing within 3 days with codex Fliesopur. Longer setting times require priming with 2-C Epoxy Primer codex FG 550 and sprinkle an excess UZIN Quartz Sand on the fresh primer. Allow primers to always dry completely.

Refer to the product data sheets for other codex products used.

APPLICATION

1. Add the hardener component B completely to the base component A and mix thoroughly for at least 2 minutes. Use a slow speed drill and suitable stirrer.
2. To prevent any unmixed material in the wall and bottom area of the mixing container, pour the material into an empty vessel and thoroughly mix once more. Do not dilute the adhesive.
3. Apply adhesive with the smoothing trowel in a sufficiently thick layer and then comb uniformly with the notched trowel. Only apply as much adhesive as can be used within the setting time.

COVERAGE

Notch size	Approx. consumption
6 mm, C2	2.4 kg/m²
8 mm, C4	2.7 kg/m²

IMPORTANT NOTES

- Store in a cool and dry place. Carefully and tightly reseal opened packaging and use the contents quickly.
- Heat shortens, cold extends the processing and setting times. Construction site should be heated in winter and material should be stored and transported in a cool place in summer.
- Install tiles in exterior and wet areas using the floating-buttering method, if necessary.
- Substrates that give off alkaline moisture, e.g. damp concrete surfaces, should be blocked off with codex FG 550.
- Protect freshly installed areas from drafts, sunlight and heat.
- Clean tools and soiled ceramics with special thinner UZIN VE 100 while fresh.
- The following apply as well, amongst others, or are recommended for special consideration:
  - DIN 18 352 "Tile and slab work"
  - DIN 18 157 "Ceramic work in thin-bed processes"
  - ZDB bulletins:
    - "Composite sealants"
    - "Coverings on cementitious screed – heated"
    - "Coverings on cementitious screed – unheated"
    - "Coverings on calcium sulphate screed"
    - "Exterior coverings"
    - "Interface coordination"
  - BEB bulletin:
    - "Assessment and preparation of substrates"
    - BEB worksheet KH-6

SEALS OF QUALITY & ECOLABELS

- Solvent-free
- EMICODE EC 1 Plus / Very low emission

CONSTITUENTS

Polyurethane composed of polyols and polyisocyanate.

PROTECTION OF THE WORKPLACE AND ENVIRONMENT

Solvent-free. Non flammable. Contains diphenylmethane-diisocyanate (MDI). Harmful on inhalation. Irritating to eyes, respiratory system and skin. There is limited evidence of a carcinogenic effect for respirable vapours of MDI. Harmful: May cause damage to organs through prolonged or repeated exposure. May cause sensitisation by inhalation and skin contact. Provide good ventilation. Use barrier cream, protective gloves and safety-goggles. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Observe safety information on product label as well as safety data sheet. Once cured, has a neutral odour and presents no physiological or ecological risk.

DISPOSAL

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as Construction Waste. Therefore collect waste material, mix both components and allow to harden, then dispose as Construction Waste.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction and working conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer. The publication of this datasheet invalidates all previous Information. The respective updated version of this datasheet can be found on our website: www.codex-x.com | 02/2022