

KOMBI FLEX

Flexible, deformable adhesive
for tiles of C2 S1 T type



MAIN ADVANTAGES

- Flexible adhesive
- To be applied indoors and outdoors
- Very high working properties
- Universal application
- High resistance to tension
- Contains microfibres and polypropylene fibres

AREAS OF APPLICATIONS

Flexible, deformable adhesive intended for installing ceramic tiles, terracotta and clinker tiles (also large-format ones) of high and low absorptivity. Product for a wide range of applications: suitable for deformable (OSB and chipboards) and non-deformable substrates such as concrete, screed, cement render, cement-lime render and drywalls. It may be applied indoors and outdoors, on vertical and horizontal surfaces, also with underfloor heating. Due to its working parameters, tiling can be made from the top. The product is comfortable and easy to use.

TECHNICAL SPECIFICATION

Product form: dry mineral mixture, modified with synthetic polymers.

Mixing ratio: 6.0–6.5 l of water per 25 kg of dry mixture

Ready-to-work time: 3 hours

Open time: 20 minutes

Correction time: 10 minutes

Dry density: 1.40 kg/m³

Substrate and ambient temperature: from +5°C to +25°C

Full load and pointing: after 48 hours

Min. and max. layer thickness: from 2 to 10 mm

Reaction to fire: A1

Adhesive of increased parameters of C2 type and reduced T run-off.

Adhesion:

- | | |
|--|---------------------------|
| • initial | ≥ 1.0 N/mm ² ; |
| • after thermal ageing | ≥ 1.0 N/mm ² |
| • after immersion in water | ≥ 1.0 N/mm ² |
| • after freezing and defreezing cycles | ≥ 1.0 N/mm ² |

Deformability: class S1 ≥ 2.5 and < 5 mm

Runoff: ≤ 0,5 mm

APPLICATION METHOD

SUBSTRATE PREPARATION: The substrate should be even, uniform and dry, free from contamination which reduce the adhesion, i.e. dust, lime, oil, grease, remnants of old paint and varnish coatings and free from the influence of aggressive chemical and biological agents. In order to assure an applicable adhesion, before the adhesive application, the surface should be always primed with **BUDOGRUNT ZG** (outside) or **BUDOGRUNT WG** (inside). In the event of moulded surfaces, the efflorescences should be removed with a brush, trowel or high pressure washer and then disinfected with **ALGIZID** before adhesive application.

In the case of bonding tiles to deformable surfaces and ceramic tiles, it is recommended to use the bonding bridge BUDOGRUNT SC.

Adhesive may be applied only on previously seasoned substrates:

- | | |
|---|---------------------------|
| • cement renders and cement-lime renders: | after min. 28 days, |
| • cement screeds: | after min. 28 days, |
| • concrete: | after more than 3 months, |

Substrate moisture: ≤ 4%

PRODUCT PREPARATION: Pour ca. 6.0–6.5 litres of water per 25 kg of dry mass into a receptacle and pour the bag content while mixing. Mix using a low-speed mixer until homogeneous consistency is achieved. **Leave for about 5 minutes. Before use, mix it again, checking the consistency.** It is possible to adjust consistency by adding water or adhesive and remixing. The adhesive prepared in such a way can be applied for up to 3 hours. It is recommended to mix the adhesive periodically during work, but it is strictly forbidden to add more water!

TILING: Start from applying a layer of the adhesive with a flat side of the trowel on the substrate and then take the excess of it with the toothed part. Tooth sizes to be selected depending on the tile sizes. The amount of adhesive applied on tiles should be selected in such a way that the contact surface with adhesive after pressing covered a minimum 70% of the surface. In the case of tiling outdoors, the adherence surface should be undivided. Depending on temperature and relative humidity, the grouting can be applied after the time not shorter than 48 hours from the moment of tiling. Unused, hardening adhesive is not suitable for adding water to it and it should be removed as construction waste.

REFERENCE USAGE OF ADHESIVE: 1.4 kg/1m²/1 mm, with the layer thickness of 2–10 mm

USEFUL HINTS: Tiles should be installed at the temperature from +5°C to + 25°C.

STORAGE: The product should be stored in its original sealed packaging in dry rooms, on pallets, at a temperature ranging from +5°C to +25°C. Shelf life is 12 months.

PACKAGINGS:

- | | |
|------------|--|
| • Bags: | 25 kg |
| • Palette: | 1,200 kg in bags of 25 kg (48 pieces). |

Note: Information given on the product packaging is based on our knowledge, laboratory tests and previous applications. Specific applications to be subject to thorough verification. Information and recommendations given on the packaging do not replace the professional and reliable preparation of the designer and contractor. There may be justified differences depending on the way of carrying out the work, type of tiles, substrate and atmospheric conditions. If you have any further questions, please contact our technical advisors.