

KOMBI FLEX

Flexible, deformable adhesive for tiles
type C2 S1 T



MAIN ADVANTAGES

- Flexible adhesive
- For outdoor and indoor use
- Very good working properties
- General purpose
- High resistance to tensions
- Contains microfibres and polypropylene fibres

AREAS OF APPLICATION

Flexible, deformable adhesive, intended for fixing ceramic tiles, terracotta, clinker and stoneware tiles (including large formats) with high and low water absorption. Suitable for deformable substrates (oriented strand boards – OSBs and chipboards) and non-deformable substrates, such as concrete, screed and cement render, cement-lime render and plasterboards, so it is a product with a very wide range of applications. For indoor and outdoor use on vertical and horizontal surfaces, also with underfloor heating. Thanks to its operating parameters, it allows for fixing tiles from above, which makes the adhesive a convenient and easy-to-use product.

TECHNICAL DATA

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

Mixing ratio: 6.0-6.5 l of water per 25 kg of dry mortar

Ready to apply time: 3 hours

Open time: 20 minutes

Correction time: 10 minutes

Bulk dry density: 1.40 kg/m³;

Temperature of air and substrate: from +5°C to +25°C

Time of full load and grouting: after 48 hours

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

Reaction to fire: class A1

Adhesive with improved parameters, type C2, and reduced T run-off.

Adhesion:

- | | |
|----------------------------|-------------------------|
| • initial | ≥ 1.0 N/mm ² |
| • after thermal ageing | ≥ 1.0 N/mm ² |
| • after immersing in water | ≥ 1.0 N/mm ² |
| • after freeze-thaw cycles | ≥ 1.0 N/mm ² |

Transverse deformation: class S1 ≥ 2.5 and S1 < 5 mm

Run-off: ≤ 0.5 mm

HOW TO USE

SUBSTRATE PREPARATION: The substrate should be even, uniform and dry, free from dirt that reduces the adhesion of the adhesive, i.e. dust, lime, oil, grease, remnants of old paint and varnish coatings, and free from the effects of aggressive chemical and biological agents. To ensure proper adhesion, the surface should always be primed with **BUDOGRUNT ZG** (outdoors) or **BUDOGRUNT WG** (indoors) before applying the adhesive. For surfaces covered with fungi, before applying the adhesive, the efflorescence should be mechanically removed with a brush, spatula or high-pressure washer, and then disinfected with **ALGIZID**.

When fixing tiles to deformable surfaces and ceramic tiles, it is recommended to use the **BUDOGRUNT SC adhesive bridge.**

The adhesive can only be used on properly cured substrates:

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

Substrate humidity: ≤ 4%

PRODUCT PREPARATION: Pour approximately 6.0-6.5 litres of water per 25 kg of dry mortar into a container and pour the contents of the bag while stirring. Mix using a low-speed mixer until a uniform consistency is obtained. **Leave for about 5 minutes. Stir again before use, checking consistency.** You can adjust the consistency by adding water or adhesive and mixing again. Adhesive prepared this way can be applied for up to 3 hours. During work, it is recommended to stir the adhesive periodically, but further addition of water is strictly prohibited!

FIXING THE TILES: Start by applying a layer of adhesive with the flat side of the trowel to the substrate, and then scraping off the excess with the comb side. The size of the notches on the trowel should be selected depending on the size of the tiles. The amount of adhesive applied to the tiles should be selected, so that the contact area with the adhesive after pressing covers at least 70% of the surface. For tiles fixed outdoors, the bonding surface should be complete. Depending on the temperature and relative humidity of the air, the grout can be applied not earlier than 48 hours after laying the tiles. Unused, hardening grout cannot be remixed with water and should be disposed of as waste.

APPROXIMATE COVERAGE OF DRY MORTAR: 1,4 kg/1 m²/1 mm, at a layer thickness of 2-10 mm

USEFUL HINTS: Laying tiles should be performed at a temperature of +5°C to +25°C

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

PACKAGING:

- | | |
|-----------|---------------------------------|
| • Bags: | 25 kg |
| • Pallet: | 1200 kg in 25 kg bags (48 pcs). |

Note: The information provided on the product packaging is based on our knowledge, laboratory tests and previous applications. For specific applications, they should be carefully verified. The information and recommendations provided on the packaging do not replace professional and reliable preparation of the designer and worker. There may be justified differences depending on the method of performing the work, the type of tiles and substrate, as well as weather conditions. If in doubt, do not hesitate to seek advice from our technical advisers.