

# KOMBI PLUS

Universal adhesive for tiles of C1 type



## MAIN ADVANTAGES

- To be applied inside buildings
- For sticking ceramic tiles, terracotta
- Very high working properties
- Contains microfibres

## AREAS OF APPLICATIONS

Universal adhesive intended for installing ceramic tiles and terracotta. Suitable for non-deformable substrates such as concrete, screed, cement plaster and cement-lime plaster. It can be used inside buildings on vertical and horizontal surfaces. Thanks to its working parameters it is a comfortable and easy to use product.

## TECHNICAL SPECIFICATION

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

**Mixing ratio:** 5.75–6.25 l of water per 25 kg of dry mixture

**Ready-to-work time:** from 2.5 to 3 hours

**Open time:** 20 minutes

**Correction time:** 10 minutes

**Dry density:** 1.40 kg/m<sup>3</sup>

**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 : class A1**

**Open time:** Adhesion to substrate  $\geq 0.5$  N/mm<sup>2</sup>, after at least 20 minutes

**Adhesion:**

- |  |                                |
|--|--------------------------------|
| • initial                              | $\geq 0.5$ N/mm <sup>2</sup> ; |
| • after thermal ageing                 | $\geq 0.5$ N/mm <sup>2</sup>   |
| • after immersion in water             | $\geq 0.5$ N/mm <sup>2</sup>   |
| • after freezing and defreezing cycles | $\geq 1.5$ N/mm <sup>2</sup>   |

## APPLICATION METHOD

**SUBSTRATE PREPARATION:** The substrate should be even, uniform and dry, free from contamination reducing 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 WG** (for interiors). In the event of moulded surfaces, any efflorescences should be removed with a brush, trowel or high pressure washer and then disinfected with **ALGIZID** before adhesive application.

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:**  $\leq 4\%$ .

**PRODUCT PREPARATION:** Pour ca. 5.75–5.25 litres of water per 25 kg of dry mass into a receptacle and while mixing it, pour the bag content. Mix by means of a low-speed mixer until homogeneous mixture is obtained. **Leave for about 10 minutes. Remix before use 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 off it with the toothed part. Tooth sizes to be selected depending on the tile sizes. The amount of cement 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. 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 substance is not suitable for adding water to it and it should be removed as construction waste.

**REFERENCE USAGE OF ADHESIVE:** 1.4 kg/1m<sup>2</sup>/1 mm, with the layer thickness of 2–10 mm

**USEFUL HINTS:** Tiling should be performed at a 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.