



RAPID, FLEXIBLE AND WATER-RESISTANT TILE ADHESIVE

Characteristic product properties

- Rapid setting, water-resistant powder tile adhesive for most types of tile.
- For ceramic tiles on both wall and floor applications.
- Layer thickness: up to 10mm.
- Ideal for interior applications and exterior applications.
- Classified in accordance with EN 12004: C2F

Applications

For laying all ceramic floor and wall tiles, calibrated natural stone, composite cement tiles, and bricks. Use white adhesive for types of natural stone that are sensitive to staining. Excellent levelling capacity, which is especially important when laying large format tiles and on surfaces that are not entirely level. The mortar can be used without any problems inside and outside. Can be used as an adhesive on surfaces that are not placed under any kind of strain, as well as most surfaces that are subjected to more wear and tear. Public spaces, shops (rapid approval required) and outdoor tiling are a few examples of where it can be used.

Appropriate surfaces

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| <ul style="list-style-type: none"> ■ Brick ■ Concrete ■ Cellular Concrete (interior) ■ Cement Screed with underfloor heating ■ Electric Underfloor Heating ■ Plaster board ■ Approved Cement-Based Board ■ Sand-Limestone (interior only) ■ O-BOARD ■ Wall Heating | <ul style="list-style-type: none"> ■ Existing tiles ■ Concrete Blocks ■ Cement screed ■ Cement Coating ■ Plaster Blocks (white adhesive only) ■ Plaster Coating (white adhesive only) ■ Lime-cement coating ■ Ceramic interior bricks ■ Silicate Board ■ Wedi or Lux |
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For specific details, please refer to our "General Instructions for Surfaces."

Other products / specific applications

- For composite marble tiles, use PL85 PROF R OMNICEM.
- For uncalibrated natural stone, apply a thicker layer of adhesive with DB FLEX (R) omnicem.
- On Anhydrite screeds, use ADG omnicem or ADP FLOOR stabicol.

Preparing the surface

- The surface needs to be stable, load-bearing and free of oil, grease, dirt and dust. Cleaning: this depends on the specific situation, but should include degreasing prior to laying "tile on tile", blasting and/or sanding for concrete applied using a helicopter or greasy surfaces.
- Start by treating all surfaces that are absorbent, smooth, sealed, compact or powdery, using OMNIBIND:
 - TP = universal
 - TPW = waterproof (walls)
 - COAT = waterproof (wall & floor)
 - AD = on anhydrite
 - ZR = smooth and closed surfaces

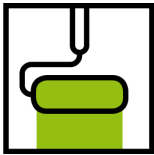
Be careful with existing cracks in the surface. These need to be investigated more closely before tiling. For further details about how to prepare the surface, see our "Substrate Preparation" sheet.

Fast setting



Instructions for application

- Make up mixture using clean tap water in the following proportions: Normally 4,4 litres water for 20 kg powder.
- Make sure the water is in the pail first before adding the powder.
- Prepare with a mixer for (minimum) 4 minutes until you have a homogeneous, lump free mix. The mix can then be used immediately.
- It may be necessary to mix the adhesive for slightly longer before use. You must not add water to make the adhesive workable again.
- Press firmly on the tiles, while laying them on the adhesive bed using a sliding movement.
- Lay the tiles within 10 minutes
- Make any adjustments within 5 minutes. For further details, please refer to "General instructions for application and information on powder tile adhesives".



Product composition

PL50 R omnicem is a modified synthetic resin tile adhesive based on grey and white Aluminum cement, which contains carefully selected additives.

Technische eigenschappen

- Colour : grey, white
- Supplied in the form of : powder
- CE conformity : C2F in compliance with EN 12004
- Frost resistance : ≥ 1.0 N/mm² in compliance with EN 1348
- Application time : maximum 30 minutes
- Waiting time : none
- Open time : 10 minutes in compliance with EN 1346
- Water resistance : yes, bond strength ≥ 1.0 N/mm² according to EN 1348
- Maximum layer thickness : 10 mm
- Setting time : approx. 5 hours, depending on the surface, temperature, relative humidity and layer thickness
- Adhesion : ≥ 1.0 N/mm² in compliance with EN 1348
- Hardening : after drying, hydraulic setting and polymerisation
- Flexibility : S1 ≥ 2.5 mm flexion in compliance with EN 12002
- Min. / max. temperature : -15°C/ +70°C (occasionally)
- Heat ageing : ≥ 1.0 N/mm² according to EN 1348

For explanatory notes concerning some of these points, please refer to our document "General instructions for application and information on powder tile adhesives".

Packaging

- Available in sturdy sewn and glued multi-layer bags, with net content of 20 kg.

Storage and shelf life

- For storage we recommend using a dry, covered place for storage as the powder is sensitive to moisture.
- Can be stored for 12 months in its original, sealed packaging.

Health and Safety

PL50 R omnicem contains Portland Cement. Further details about safety when working with products that contain cement are available on request.

This technical data is based on many years of practical experience and laboratory research. We cannot be held liable for the work produced in accordance with our systems since factors on which we cannot make an assessment or influence also determine the final result. We guarantee that this product is always supplied in a quality that remains the same. If you have any doubts, we recommend performing tests yourself. See www.omnicol.eu for the most recent version of this TDS.