

POWDER TILE ADHESIVE FOR THIN AND MEDIUM-THICK MORTAR BEDS (UP TO 10 MM)

Characteristic product properties

- Flexible powder tile adhesive for laying all types of hard and larger format tiles.
- Layer thickness: up to 10 mm.
- Can be applied to walls and floors.
- Suitable for interior and exterior use under certain conditions.
- Classified in compliance with EN 12004: C2TE. S1.

Applications

Used for laying stone, ceramic or porcelain wall and floor tiles and bricks. Water-resistant powder tile adhesive with limited flexibility mainly intended for laying all types of hard tiles. The adhesive ensures good adhesion and is easy to use. It is specially designed to ensure good adhesion for increasingly hard sandstone tiles. The adhesive is suitable for both indoor and outdoor use, provided the surface is well drained. Not suitable for all unstable surfaces. To name a few examples, it can be used in the construction of houses, apartments and larger projects.

Appropriate surfaces

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| <ul style="list-style-type: none"> ■ Brick ■ Concrete (over 6 months old) ■ Concrete blocks ■ Cellular concrete (interior) ■ Cement coating ■ Cement screed ■ Cement screed with underfloor heating ■ Plaster coating (white powder adhesive) | <ul style="list-style-type: none"> ■ Plaster blocks (white powder adhesive) ■ Plasterboard ■ Plaster coating (white powder adhesive) ■ Lime-cement coating ■ Sand-limestone (interior) ■ O-BOARD ■ Decorative coating |
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For specific details, please refer to our "General instructions for surfaces".

Other products/specific applications

- On anhydrite : ADG omniceM.
- On difficult surfaces or in case of intensive use: PL85 omniceM.
- Fast hardening adhesive: E FLEX R omniceM.
- For laying composite marble tiles: PL85 PROF R omniceM.
- For uncalibrated natural stone: apply to a thicker layer of adhesive: DB FLEX omniceM.

Preparing the surface

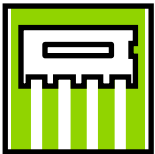
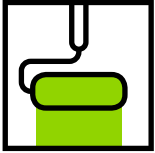
- The surface must be stable, resistant and free of oil, grease, dirt and dust.
Cleaning: this depends on the specific situation, but should include degreasing prior to laying "tile on tile", blasting and/or sanding for concrete applied using a helicopter or greasy surfaces.
- Start by treating all surfaces that are absorbent, smooth, sealed, compact or powdery, using Omnibind:
 - TP = for general use
 - TPW = waterproof (walls)
 - COAT = waterproof (walls and floors)
 - AD = on anhydrite
 - ZR = sealed surfaces
- Take care with existing cracks in the surface, which must be examined closely before laying the tiles. For further details about how to prepare the surface, see our "Preparing the surface" sheet.

Instructions for application

- Prepare with clean running water, according to the following proportions. 8 litres of water per 25 kg of powder.
 - Start by pouring the water into the pot before adding the powder.
 - Combine using a mixer for 4 minutes (minimum) until you obtain a homogeneous mass without any lumps. The resulting paste is immediately ready for use.
 - Apply evenly to the surface using an adhesive comb with the appropriate tooth size.
 - Press down firmly on the tiles, while laying them on the adhesive bed using a sliding movement.
 - Lay the tiles within 30 minutes.
 - Make any necessary corrections within 15 minutes.
- For further details, please refer to "General instructions for application and information on powder tile adhesives."

High initial adhesion





Consumption

Minimum 2.5 kg per m², depending on the surface and type of tile. Calculate the consumption of powder tile adhesives at www.omnicol.eu.

Product composition

PL79 FLEX omnicem is a modified synthetic resin tile adhesive based on white or grey Portland cement, which contains carefully selected additives.

Technical properties

- Supplied in the form of : powder
- Colour : white or grey
- CE conformity : C2TE in compliance with EN 12004
- Flexibility : S1 ≥ 2.5 mm deflection in compliance with EN 12002
- Application time at 20 °C : maximum 4 hours
- Open time : min. 30 minutes in compliance with EN 1346
- Waiting time : none
- Maximum layer thickness : 10 mm
- Curing time : approx. 24 hours, depending on the surface, temperature, relative humidity and layer thickness
- Hardening : as a result of drying, polymerisation and hydraulic curing
- Adhesion : ≥ 1.0 N/mm² in compliance with EN 1348
- Water resistance : yes, adhesion ≥ 1.0 N/mm² in compliance with EN 1348
- Frost resistance : ≥ 1.0 N/mm² in compliance with EN 1348
- Min./max. temperature : - 15° C / + 70° C (occasionally)
- Heat ageing : ≥ 1.0 N/mm² in compliance with 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 strong multilayer paper bags, which are sewn and secured using adhesive, with a net content of 25 kg.

Storage and shelf life

- For storage, we recommend that you use a dry and sheltered area, as the powder is sensitive to moisture.
- Keeps for 12 months in its original sealed packaging.

Health and Safety

PL79 FLEX omnicem contains pure Portland cement. More detailed information on safety when handling cement-based products is available on request.

- High initial adhesion.

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.