

QUICK-SETTING LEVELLING MORTAR

Characteristic product properties

- Can still be used for tiling after 3-4 hours!
- Layer thickness: from 4 to 30 mm (wall) to 50 mm (floor).
- Produces a low-shrink, watertight layer.
- For indoor and outdoor use.

Applications

Wall: for repairing and evening out hardened cement/lime plaster layers, as well as concrete walls, sandline bricks, aerated concrete, brickwork and damaged cement plaster. Also for levelling mineral walls, with or without in-wall heating. The coarser granules are suitable for more serious unevenness. Its special composition also makes it suitable for walls containing gypsum. Can be used both indoors and outdoors. Internal applications only for aerated concrete.

Floor: suitable for filling and finishing cracks and damage. Produced as a stable mortar suitable for sloping surfaces, making sloping floors and filling and finishing stairs. Can be applied on cement and anhydrite screeds, sheet asphalt and concrete. Suitable for underfloor heating

Alternative products/applications

- For more even surfaces with fewer significant unevenness: 90R omnimix.
- Self-levelling floors and thin layer thicknesses: V17 R omnimix.

Appropriate surfaces

- | | |
|-------------------------------|-----------------------------|
| ■ Anhydrite screeds | ■ Cement coatings |
| ■ Concrete | ■ Cast asphalt |
| ■ Concrete walls | ■ Gypsum plaster |
| ■ Aerated concrete (interior) | ■ Sand-limestone (interior) |
| ■ Cement/lime plaster | ■ Brickwork |

Preparing the surface

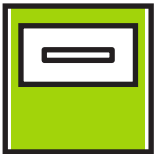
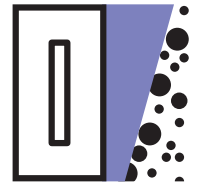
- Apply only on dry, load-bearing substrates that are free of oil, grease, dirt and dust.
- To clean greasy surfaces: CLEANER omnibind.
All dry, closed, absorbent and powdering substrates must be pre-treated with omnibind (1):
 - TP of B2 MULTI = universal (deep) primer
 - GRIP = quick drying with grain
 - FIX+ R = bonding agent, bonding slurry and adjuvant
 - ZV = absorption-reducing and adhesion-promoting
 - AD = anhydrite screed
- Start by testing the solidity and alkali-resistance of old layers of paint, before levelling the surface. For information concerning the maximum moisture content and age of the relevant surface, please see "General guidelines for surfaces".

Instructions for application

- Mix 90GR omnimix with cold clean tap water in the require mortar consistency: 5 - 5.5 litres water to 25 kg powder.
- Prepare with a mixer for a minimum of 4 minutes until you have a homogeneous, lump-free mass. The mass obtained is then ready for immediate use.
- Do not mix larger quantities than can be used within 15 minutes.
- If necessary, impregnate the surface the previous day.
- After applying the plastic mortar, the surface can be smoothed and sanded after 15 minutes.
- An RVS trowel can then be used, with the help of sprinkling water with a hand brush to obtain a smooth, rigid surface.
- In ideal conditions, tiles can be laid after 3 to 4 hours, under normal conditions tiles can be laid at the most after 24 hours without the application of a primer.
- With a finish that is sensitive to moisture (such as parquet, wallpaper, etc.) on a non-absorbent surface a minimum drying time of 5 days is required.
- With finishes other than tiles: Always follow the application instructions.
- During application and curing, avoid humidity, draughts and direct sunlight.
- Do not apply at temperatures lower than 5° C . This applies both for the surface and ambient temperature.
- Any expansion joints present in the surface should be continued in the levelling coat.
- Do not mix 90GR omnimix with materials other than water. Do not mix thickening mortar again with water.

Fast Hardening





Required tools

- Mixing jug.
- Measuring jug.
- Mixer (set at approx. 500 rpm).
- RVS trowel, trowel and/or plastering straight edge.
- Hand brush.

Consumption

Minimum 13 kg per m² per 10 mm layer thickness, depending on the condition of the surface to be treated. Calculate the consumption of levelling mortars at www.omnicol.eu.

Cleaning tools

Wash with clean water immediately after use.

Product composition

90GR omnimix is a quick-setting, levelling and repair mortar made with modified synthetic resin, based on cement and coarse granules.

Technical properties

- Supplied in the form of : powder
- Colour : grey
- CE conformity : in compliance with EN 998-1
- Max. granulometry : 4 mm
- Waiting time : none
- Application time : at 20° C and cold running water: approx. 30 minutes
- Layer thickness : max. 20 mm, on smooth surfaces max. 15 mm
- Application temperature : max. 70° C
- Begins to cure : 40 minutes after mixing with water
- Finishes curing : after 3 hours
- Hardening : as a result of drying, polymerisation and hydraulic curing
- Frost-resistant : yes
- Water-resistant : yes

Mortar properties when dry

- Adhesion : $\geq 0.6 \text{ N/mm}^2$ in compliance with EN 1015-12
- Compressive strength : $\geq 6 \text{ N/mm}^2$ in compliance with EN 1015-11
- Dry density : $\geq 1800 \text{ kg/m}^3$ in compliance with EN 1015-10
- Capillary water absorption : $W_c 1 = \leq 0,40 \text{ kg/m}^2\text{min}^{0,5}$

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

- Transport and store dry.
- Avoid extreme temperatures and direct sunlight.
- Keep packaging well closed.
- Maximum shelf life in original sealed packaging: 6 months.

Health and Safety

90GR omnimix contains pure cement. More detailed information on safety when handling cement-based products is 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.