

LIGHT LEVELLING MORTAR FOR MECHANICAL APPLICATION ON WALLS

Characteristic product properties

- For levelling brickwork and coarse stone surfaces.
- Layer thickness: 5-25 mm.
- Can be applied as a single layer, even if a thicker covering is required.
- Designed for use under tiling, decorative plaster, murals and other areas.
- For indoor and outdoor use.

Applications

For levelling (mechanical), including brickwork and coarse stone surfaces. The mortar is water vapour permeable with good adhesion.

As it is made from light primary materials, the mortar can be applied as a single layer, even if a thicker covering is required. Always add a finish layer to the mortar, such as tiling, a decorative plaster or mural.

Other products/applications

- Fast hardening, in swimming pools: 90GR omnimix.
- Layer thickness up to 50 mm: 90R LIGHT omnimix.

Preparing the surface

- Can only be applied to surfaces, which are untreated, dry, resistant and free of oil, grease, dirt and dust.
- Clean greasy surfaces using CLEANER omnibind. Start by treating dry, absorbent and mineral surfaces with undiluted Omnibind:
TP or B2 = for general use
TPW = waterproof (walls)
ZV = for general use, dilute with water, based on a ratio of 1:9
ZR = fast drying, with grains (specially designed for smooth and sealed surfaces)

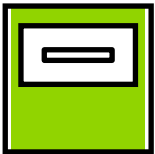
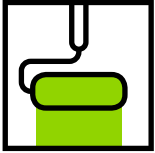
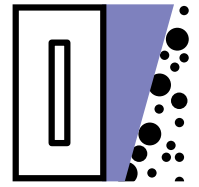
For information concerning the maximum moisture content and age of the relevant surface, please see "General instructions for surfaces."

Instructions for application

- Mix 90W LIGHT omnimix with cold and clean running water, according to the desired mortar consistency: use 4.3 - 4.8 litres of water per 12.5 kg of powder.
- Always use clean tools, buckets and mixing containers.
- Use a mixer to combine for at least 4 minutes until you obtain a homogeneous mass without lumps. The resulting mass is immediately ready for use.
- Do not mix larger quantities than what you can use within 2 hours.
- If necessary, impregnate the surface the previous day.
- The surface can be levelled immediately after the plastic mortar is applied.
- After it is sufficiently dry, smooth using a sanding block until you obtain a flat surface.
- In order to make the surface smooth and level, it can be finished after it has cured, using 90W LIGHT omnimix and a sanding sponge or stainless steel spatula. Moisten, if necessary.
- Under ideal conditions, the drying time is approx. 12 hours per mm of layer thickness, after which the finish coat can be applied.
- For finish coatings other than tiling: always follow the instructions for the relevant finish.
- During application and curing, avoid humidity, draughts and direct sunlight.
- Do not apply at temperatures lower than 5° C (this applies both to the surface and the ambient temperature).
- Any expansion joints present in the surface should be continued in the levelling coat.
- Do not mix 90W LIGHT omnimix with materials other than water. If using thickening mortar, mix it again without adding water
- Mechanical application: use a 3-phase current spray gun fitted with a D 6-3 shore blue nozzle. Start with approx. 300 liters of water per minute without a hose. Reduce the water until you obtain the right working consistency. Before attaching the hose, allow sufficient water to pass through. Clean the hose immediately after use.

Light





Required tools

- Mixing bucket/container
- Measuring jug
- Mixer (set at approx. 500 tpm) or spray machine
- Inox spatula/wall scraper
- Sanding block/sponge

Consumption

Approx. 0.7 kg per m² and per mm layer thickness, depending on the condition of the surface to be treated. You can calculate the consumption of levelling mortars at www.omnicol.eu.

Cleaning tools

Clean tools immediately after use.

Product composition

90W LIGHT omnimix is a mineral-based levelling mortar, modified with synthetic resins and based on Portland cement.

Technical properties

- Supplied in the form of : powder
- Colour : grey
- CE conformity : LW - CS IV in compliance with EN 998-1
- Max. granulometry : 1 mm
- Waiting time : none
- Application time : at 20° C and cold running water: approx. 40 minutes
- Layer thickness : min. 1 mm / max. 50 mm
- Application temperature : max. 70° C
- Curing time begins : approx. 60 minutes after mixing with water
- Finishes curing : after approx. 3 hours
- Hardening : as a result of drying, polymerisation and hydraulic curing

Mortar properties

- Supplied in the form of : powder
- Colour : grey
- CE conformity : LW - CS III in compliance with EN 998-1
- Max. granulometry : ± 1 mm
- Waiting time : none
- Application time : at 20° C and cold running water: approx. 2 hours
- Layer thickness : min. 5 mm / max. 25 mm
- Application temperature : max. 70° C
- Curing time : depends on the layer thickness / conditions
- Hardening : as a result of drying, polymerisation and hydraulic curing

Mortar properties when dry

- Adhesion : ≥ 0.4 N/mm² in compliance with EN 1015-12
- Compressive strength : > 4.8 N/mm² in compliance with EN 1015-11
- Dry density : ≥ 700 kg/m³ in compliance with EN 1015-10

Packaging

- Available in strong multilayer paper bags, which are sewn and secured using adhesive, with a net content of 12.5 kg.

Storage and shelf life

- Transport and store in a dry environment.
- Avoid extreme temperatures and direct sunlight.
- Keep packaging properly sealed.
- Maximum shelf life in original sealed packaging: 12 months.

Health and Safety

90W LIGHT 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.