



## REPAIR AND LEVELLING MORTAR

### Characteristic product properties

- Makes it possible to ensure low-shrinkage and apply a water-resistant coating.
- Enables you to obtain a smooth and attractive finish.
- Layer thickness: 1-5 mm (walls) - 10 mm (floors).
- For indoor and outdoor use.

### Applications

**Walls:** For repairing and levelling hardened layers of cement coating/lime and concrete walls, sand-limestone, cellular concrete, brickwork and damaged cement coatings. Can also be used for levelling mineral walls, which may be fitted with wall heating. Not suitable for walls containing plaster. It can be used inside and outside. Only suitable for indoor use on cellular concrete.

**Floors:** suitable for applying relatively thin layers. Can be applied to cement screeds, cast asphalt and concrete. Suitable for underfloor heating. In very thin 1-2 mm layers, especially suitable for evening out water-resistant adhesive residues. Can be treated one day after application.

### Appropriate surfaces

- |                                 |                             |
|---------------------------------|-----------------------------|
| ■ Existing tiles                | ■ Cement coatings           |
| ■ Concrete                      | ■ Cast asphalt              |
| ■ Concrete walls                | ■ Sand-limestone (interior) |
| ■ Cellular concrete (interior)  | ■ Brickwork                 |
| ■ Layers of cement/lime coating |                             |

### Other products/applications

- For larger irregularities and rapid hardening: 90GR omnimix or 90R LIGHT omnimix.
- For special use on plaster or anhydrite surfaces: 90GR omnimix or 90R LIGHT omnimix.

### Preparing the surface

- Can only be applied to surfaces, which are dry, resistant and free of oil, grease, dirt and dust.
- Clean greasy surfaces or existing tiles using omnibind Cleaner.  
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)
- 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 instructions for surfaces".

### Instructions for application

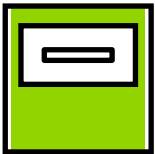
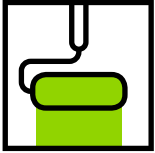
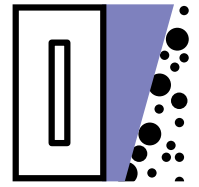
- Mix 90R omnimix with cold and clean running water, according to the desired mortar consistency: 6 litres of water per 25 kg of powder, using a mixer for at least 4 minutes until you obtain a homogeneous mix without any lumps. The resulting mass is immediately ready for use.
- Do not mix larger quantities than what you can use within 45 minutes.
- If necessary, impregnate the surface the previous day.
- The surface can be levelled and smoothed using a helicopter, 30 minutes after the plastic mortar is applied.
- A rigid and smooth surface can then be obtained using a stainless steel spatula, by spraying with water and using a hand brush.
- 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 with materials other than water and/or sand.
- If using thickening mortar, do not mix with water again.

### Required tools

- Mixing tray
- Measuring jug
- Mixer (set at approx. 500 rpm)
- Stainless steel spatula, trowel and/or coating knife
- Hand brush

### Fast Hardening





### Consumption

Minimum 1.6 kg per m<sup>2</sup> and 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](http://www.omnicol.eu).

### Cleaning tools

Wash with clean water immediately after use.

### Product composition

90R omnimix is a levelling and repair mortar, modified with synthetic resins, cement-based and with sand.

### Technical properties

- Supplied in the form of : powder
- Colour : grey
- CE conformity : 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 : max. 5 mm on walls
- Application temperature : max. 70° C
- Begins to cure : 40 minutes after mixing with water
- Finishes curing : after 24 hours
- Hardening : as a result of drying, polymerisation and hydraulic curing
- Frost-resistant : yes
- Water-resistant : yes

### Mortar properties when dry

- Adhesion : > 0.8 N/mm<sup>2</sup> in compliance with EN 1015-12
- Compressive strength : > 6 N/mm<sup>2</sup> in compliance with EN 1015-11
- Dry density : > 1800 kg/m<sup>3</sup> 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 25 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: 6 months.

### Health and Safety

90R 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.*