



Systems for dehumidification, hydrophobation, thermal-acoustic insulation, waterproofing



Certified Quality System since **FEBRUARY 1993**

*From Project to Jobsite*

# TECNOCRYL 6000

## METACRYLATE WATERPROOFING MORTAR WITH LOW MODULUS OF ELASTICITY

**Description** Solvent free, 3 component metacrylate mortar, ready to use.

**Technical characteristics**

- Excellent mechanical resistance.
- Self levelling.
- Low modulus of elasticity.
- Fast hardening rate, even at low temperature.

**Indicated use** Trowel applied self levelling mortar for the repair and protection of motorways and highways, as for civil or industrial flooring applications.

**Method of application**

**Preparation of the substrate**

The substrate must be clean and sound. Remove all incoherent parts manually or mechanically by using shot blasting or scabbling.

In the case that repairs and restoration of the substrate is required, consult first the guide: "SYSTEMS FOR THE REPAIR, RECONSTRUCTION AND RESTORATION OF CONCRETE AND MASONRY" or consult the Technical Service Department.

**Proportions**

|              | <b>CONSUMPTION</b>                         |
|--------------|--|
| Binder       | 0,4 kg/m <sup>2</sup> /mm thickness        |
| Quartz       | 1,4 kg/m <sup>2</sup> /mm thickness        |
| Catalyst     | 0,16 kg/m <sup>2</sup> /mm thickness       |
| <b>TOTAL</b> | <b>1,816 kg/m<sup>2</sup>/mm thickness</b> |

**Application**

The product is 3 components. Add the component A (resin) to the component C (inert filler), and mix for about 5 minutes. Than add component B (catalyst) and mix thoroughly till complete homogenisation. Use preferably a planetary mixer. The final mix should be without lumps and with uniform colour.

As primer, it is essential always to use TECNOCRYL 6000 PRIMER at a coverage rate of 500 gr./m<sup>2</sup>, finished roughly by scattering dry silica sand whilst still wet, in order to improve the adhesion of the Malta. Prepare next the mortar according the prescribed procedure and in function of the temperature during the application. Consult the attached chapter: "METHOD OF APPLICATION".

The poured product can be spread by trowel, manually or mechanically, and adjusted to the correct thickness by metal rule.

Before the hardening starts, is it advisable to de-aerate the fresh mortar by using a pinned roller, and eventually silica sand can be broadcasted to roughen the surface.



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|   |                                    |  |
|---|------------------------------------|--|
| <b>Technical characteristics (typical values)</b> | • Open for traffic after 2÷4 hours | 5÷15 MPa compressive strength                  |
|   | • Specific weight                  | 1.85 Kg/l                                      |
|   | • Solid content in volume          | 100%   |
|   | • Advised thickness                | ca. 10 mm.                                     |
|   | • Consumption                      | ca. 19 kg/m <sup>2</sup> / cm                  |
|   | • Potlife                          | in function of the temp. from 25 to 60 minutes |
|   | • Temperature range of application | from -20 °C to + 35 °C                         |

### **Mechanical characteristics of the mortar after 7 days at + 10 °C**

|                                 |   |
|---------------------------------|---|
| • Compressive strength          | > 40 N/mm <sup>2</sup> after 7 days at +10 °C |
| • Flexural strength             | > 20 N/mm <sup>2</sup> after 7 days at +10 °C |
| • Modulus of elasticity         | < 3000 MPa                                    |
| • Adhesion strength to concrete | > 3 MPa                                       |
| • COLOUR                        | transparent                                   |

**Packaging** Can of 7 kg (6000 TECNOCRYL BINDER) + 25 kg bag (quartz) + Small bag 280 gr (powder catalyst) = 4% for medium temperatures 10 ÷ 25 °C.

For very low temperatures (0 °C to -5 °C) the% can be increased (to obtain rapid usual practicability traffic) up to a maximum of 7% (490 gr of 7 kg resin comp. A). We recommend pre-qualifying test.

**Storage** 12 months in the original packaging, closed, maintained in a dry and protected environment, at temperature between +5 °C and +25 °C.

**Safety indications** Read carefully the instructions shown on labels applied on products and consult the relevant Material Safety Data Sheet.

This information is based on our experiences and latest laboratory testing. The above information may be subject to modifications, which will be announced in the updated technical datasheets. Eventual changes to the information on top will be announced on [www.tecnochem.it](http://www.tecnochem.it) in which the technical datasheets are updated regularly and always the most updated can be found. Tecnochem Italiana cannot held responsible for poor results that are due to causes unconnected to the quality if the product or for defects deriving from factors different than the quality of the product including the wrong storage.

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