

## SELFLEVEL RAPIDO

### SELFLEVELLING MORTAR FOR PLANAR SMOOTHENING OF UNDERFLOORS WITH FAST SETTING

**Description** Cement based, pre-mixed mortar, with special selected admixtures to achieve exceptional self levelling and flowing properties, with fast setting properties.

**Advantages and characteristics**

- The perfect pouring, spreading, and levelling properties of the grout allow fast and effective levelling operations of sub-floors.
- The fast foot traffic resistance and rapid drying out allow fast flooring operations even with materials which are sensitive to the moderate residual moisture in other screeds, like parquet, linoleum, resin based products,...

**Fields of use** SELFLEVEL RAPIDO is a cement based pre-mix which, when mixed with water, forms a very flowing and self levelling slurry for the smoothening of irregular substrates, before the application of other finishing flooring products (tiles, marble, wood, linoleum, etc.). The product can be used for internal applications, not subjected to rising dampness. The maximum application thickness is 5 mm.

**Method of use** **Preparation of the substrate**

All the substrates must be dry, clean, sound, without any substances which can conflict the adhesion (oil, grease, wax, etc.).

The product is not suited for the levelling of substrates which are subjected to rising capillary humidity or other sources of water infiltration. In the case the substrate is very absorbing apply first by brush a layer of RESINA PER MALTE BICOMPONENTI prior to the application of SELFLEVEL RAPIDO to reduce the suction (best result is obtained using a stiff brush). It is important to prevent the rapid drying out of the freshly applied product in order not to jeopardise the flow properties on absorbing substrates.

**Method of application**

Necessary mixing water = 24 % (6 litres per bag of 25 kg). Mix with care for 2-3 minutes, using a mechanical mixer. Allow the mix to rest a few moments, and remix for another minute (we advise for small quantities to mix with paddle attachment to a concrete mixer at medium speed, for bigger quantities, use a vertical-axis mixer). Pour on the substrate and spread using a smooth trowel.

The initial setting time is about 45 minutes (at 20°C) and the application can be opened to foot-traffic after 1 hour. The product can be coated after 2 days or less (it's necessary to measure always first the residual moisture content by calcium-carbure equipment prior to the application of parquet or other flooring systems).

**Remarks**

- Do not apply when temperature is below +8°C. In winter period, keep the bags in heated storage room, and use hot water to mix.
- Perform always a preventative control to check the reactivity of SELFLEVEL RAPIDO in the conditions of application.

## From Project to Jobsite

- Respect carefully the proportions of mixing water and the mixing time, in order to obtain a selflevelling mortar without lumps.
- Consult our technical department for technical assistance in case of difficult substrates or for other product and application related questions.
- Information according to 2003/53/CE.

**Storage:** The product can be kept for at least 12 months if stored in dry and protected conditions, in the original packaging, between +5°C and +35°C. Do not use the content of opened bags if lumps occur.

**Packaging** 25 kg bags

**Technical characteristic (typical values)** (Medium values at 20°C and 65% R.H.):

• Initial and final setting time		40 min./65 min.
• Compressive strength	N/mm <sup>2</sup>	18 (28 days)
• Flexural strength	N/mm <sup>2</sup>	6 (28 days)
• ELASTICITY MODULUS	N/mm <sup>2</sup>	12.000 (28 days)
• Adhesion to concrete	N/mm <sup>2</sup>	1,5 (28 days)
• Water vapour permeability coeff.	μ	68
• Type mortar		pouring mortar
• N. components		Mono
• Advised layer thickness	mm	2÷5
• Application		Pouring/trowel
• Curing : wet		SE
• Curing : protected		SE
• Typical application		underfloors
• Setting time		accelerated
• Hardening		rapid
• Shrinkage compensation		YES
• Consumption	Kg/m <sup>2</sup> /mm	1,8

1N/mm<sup>2</sup> = 1MPa = 10,19 Kg/cm<sup>2</sup>

\* the formulation for this type of products can be also made with the addition of corrosion inhibitors and MuCis<sup>®</sup>.

① Freeze and thaw resistance in the presence of salt: SIA 162 11/91 (< 600 gr/sm = very high freeze and thaw resistance)

② Chlorides permeability, FH WA RD/81 (100 = 1000 COULOMB = very low chlorides permeability)



**Safety indications** Read carefully the safety indications on the packaging, or consult the relevant Material Safety Data Sheet of this product.

The above information is based on our best experiences and lab results and on results of the application of the product in various fields. Tecnochem Italiana is not responsible for negative performances due to not proper use of the product or for defects due to elements not connected with the quality of the product included wrong storage.

Technical characteristic in this technical data sheet are up-to-dated periodically. Revision date of this technical data sheet is indicated below. Changes of this data sheet can be found in our web-site [www.tecnochem.it](http://www.tecnochem.it) where you can find the same technical data sheet updated in real time.

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