



Advanced
Pavement
Systems

From Project to Jobsite



Certified Quality System since **FEBRUARY 1993**

SELFLEVEL NORMALE

SELFLEVELLING MORTAR FOR THE SMOOTHENING OF UNDERFLOORS

Description and packaging Cement based, pre-mixed mortar, with special selected admixtures to achieve exceptional self levelling and flowing properties. The selected silica have maximum particle size distribution of 0,3 mm.

Advantages and characteristics

- The perfect pouring, spreading, and levelling properties of the grout allow fast and effective levelling operations of sub-floors.
- The very fine particle size (0,3mm) distribution of the fillers, allow very smooth surface finishes.

Fields of use SELFLEVEL NORMALE 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 (carpets, marble, wood, linoleum,..) 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..) . 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 NORMALE to reduce the suction (best result is obtained using a stiff brush).

Method of application

Necessary mixing water = 24 % (6 liters 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.

Remarks

- Do not apply when temperature is below +8C. 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 NORMALE in the conditions of application.
- 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 D.M. 10 May 2004 :
Storage: 12 months in the unopened original packaging, kept dry and protected at temperature between + 5°C and + 35°C.

Emission date : 01/2006
Revision date : 12/2011

Revision n. 2

SELFLEVEL NORMALE
pag. 1/2

TECNOCHEM ITALIANA S.p.A.
24030 BARZANA (BERGAMO) ITALY – VIA SORTE 2/4,
TEL. **39 035 55.48.11 – TELEFAX **39 035 55.48.16
E-mail: info@tecnochem.it t- www.tecnochem.it

From Project to Jobsite

Packaging Bag of 25 Kg




Characteristic technical data (typical values) (Medium values at 20°C and 65% r.h.)

Compressive strength	N/mm ²	24 (28 days)
Flexural strength	N/mm ²	7 (28 days)
Modulus of elasticity	N/mm ²	14.000 (28 days)
Adhesion to concrete	N/mm ²	1,5 (28 days)
Water vapour permeability coeff.	μ	73

Type mortar	Self levelling mortar	
N. components	Mono	
Advised layer thickness	mm	2-5
Application	Pouring/trowel	
Curing : wet	SE	
Curing : protected	SE	
Typical application	screed	

Setting time	Normal	
hardening	Normal	
Compensation shrinkage	YES	
Consumption	Kg/m ² /mm	1,8

1 N/mm² = 1 MPa = 10,19 Kg/cm²

<p>★ The formulation for this type of products can be also made with the addition of corrosion inhibitors MuCis®</p> <p>① Freeze and thaw resistance in the presence of salt. SIA 162/1/91 gr/m² (< 600 gr/m² = very high freeze and thaw resistance)</p> <p>② Chlorides permeability. FHWA/RD/81 (100=1000 COULOMB = very low chlorides permeability)</p>	<p>SE Depending on the applicative conditions (rain, sun, hot temperatures, humidity)</p> <p> Very High Durability Repair & Prevention Systems</p> <p> Very High Durability Reinforced Concretes</p>	<p> MuCIS Multiple Corrosion Inhibiting Synergies</p> <p>AED Very High Deformation Energy</p>
---	---	---

Safety indications Read carefully the safety indications on the packaging, or consult the relevant Material Safety Datasheet 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

Emission date : 01/2006
Revision date : 12/2011

Revision n. 2

SELFLEVEL NORMALE
pag. 2/2