



Systems for
Waterproofing,
dehumidification,
wetproofing



Certified Quality System since **FEBRUARY 1993**

From Project to Jobsite

TECNOSTOP

CEMENT BASED MORTAR FOR VERY FAST ANCHORING AND TO BLOCK IMMEDIATELY OF WATER INFILTRATIONS

Description TECNOSTOP is cement based ready-to-use product, with extreme fast setting time to stop immediately water infiltrations. TECNOSTOP is a perfect hydraulic material, which, when hardening, will become uniform with the substrate. **The product can also be used for very fast fixation and anchoring.**

- Advantages /fields of application**
- Seals definitively hinge, hooks, ducts in cement reservoirs, tanks, etc.
 - Easy to prepare and to apply.
 - Stops immediately water infiltration.
 - Hardens in very short time (1-3') even under water.
 - Exceptional mechanical resistance (on short term or after longer period).
 - Very high adhesion to the substrate.
 - Close immediately holes and cracks, and makes the kicker-joints completely durable and waterproof.

Method of use

TO STOP WATER INFILTRATIONS

- Prepare the hole or crack in swallow-tale shape with a minimum width and depth of 2-3 cm.
- Remove the dust and damaged parts from the substrate.
- Prepare the mix with water in order to obtain a consistence of a normal mortar, taking into consideration there is only very short workability time.
- Apply TECNOSTOP firmly in the hole or crack, exercising a certain pressure.
- In the leaks with very high water pressure TECNOSTOP shall not be applied directly: wait till the product starts to heat up and push into the hole, keeping the plug in place till fully hardened, and the leakage has stopped. For big holes, this operation has to be repeated several times till the water infiltration has completely stopped.

FOR VERY FAST FIXATION

- Prepare carefully the hole in the substrate.
- Eliminate the dust and wet the hole. Remove the excess of water.
- Prepare the mix and fill the hole. Immediately after, the object to be fixed can be positioned into the plugged hole.
- Keep in place for a few minutes.

Packaging Bag of 25 Kg
Poly-ethylene bag of 5 kg.

Remarks 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.

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Technical characteristic (typical values)

• Mixing water		24 % (average)
• Setting time (at 20°C)		1 - 3 min.
• Compressive strength	N/mm ²	9 (30 min) 35 (28 days)
• Flexural strength	N/mm ²	1 (30 min) 4 (28 days)
• Elasticity modulus	N/mm ²	25.000
• Adhesion to concrete support	N/mm ²	1,2
• Pull-out	N/mm ²	> 10
• Carbonation in time	8 years mm	8
	18 years mm	25
	25 years mm	35
• Resistance to CO ₂ penetration	μ	550
• Resistance to water vapour diffusion	μ	73
• ① Freeze and thaw resistance	gr/m ²	680
• ② Chlorides permeability	Coulomb	900
• Type of conglomerate		thixo mortar
• Number of components		mono
• Thickness suggested	mm	10÷50
• Application		by hand
• Curing : wet		NO
• Curing : protected		NO
• Typical application		very fast fixation and anchoring
• Setting time		very fast
• Hardening		very fast
• Shrinkage compensation		YES
• Consumption	Kg/m ² /mm	1,9

1N/mm² = 1MPa = 10,19 Kg/cm²

★ the formulation for this type of products can be also made with the addition of corrosion inhibitors and MuGis[®].

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

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

SE Depending on the applicative conditions (rain, sun, hot temperatures, humidity)

VHORS Very High Durability Repair & Prevention Systems

VHORS

VHRC Very High Durability Reinforced Concretes

VHRC

AED Very High Deformation Energy

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. Changes of this data sheet can be found in our web-site www.tecnochem.it where you can find the same technical data sheet updated in real time.

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