

Product with the European conformity mark  (System 2+)

PRODUCT N.º : 3.188

TECMADRY® SR

Waterproofing cement mortar resistant to sulphates and sea water

DESCRIPTION:

Hydraulic cement based waterproofing mortar specially designed for the prevention and elimination of dampness in conditions of high concentration of sulphates and/or sea water. **TECMADRY® SR** gets efficient waterproofing of the surfaces on which is applied, preventing the passage of water through them and acting in conditions of direct or indirect pressures. Its high water vapour permeability allows natural transpiration of the support.

SCOPE:

This product is recommended in the treatment and prevention of moisture, especially in the case of water containing high concentration of sulphates and/or sea water. This way, its use is effective for waterproofing interior and exterior walls of basements, air chambers, elevator pits, foundations, tunnels and galleries, tanks, swimming pools, ponds, fountains, planters, dams and any concrete support to be waterproofed and protected against aggressive water due to a high concentration of sulphates or sea water.

SURFACE PREPARATION:

Surfaces must be clean of any contaminants such as grease, oil, unmolding agents, grout, dust, sand, loose materials, etc. The paint and traces of other waterproofing materials must be removed. Efflorescence and salts must be removed before applying **TECMADRY® SR**. Before applying **TECMADRY® SR** on surfaces, they should be moistened with water.

INSTRUCTIONS:

Mix **TECMADRY® SR** with clean water in a suitable container and knead until getting a pasty-fluid and homogeneous consistency. As indication, use of 5.0 to 5.5 liters of water per bag of 25 kilos of **TECMADRY® SR**. Always seek a lump-free slurry and as homogeneous as possible. It is recommended to use a mechanical mixer. Afterwards, the mixture will be left standing during 10 minutes to get a better activation setting.

When it is desired to enhance or improve the adhesion to certain surfaces, **CRYLADIT** can be added to the mixing water in minimum proportions of 1 part of **CRYLADIT** to 3 parts of water. Before kneading, **CRYLADIT** will be diluted into water and then this solution will be added to **TECMADRY® SR**, proceeding as described in the preceding paragraph.

APPLICATION:

In the application the following steps will be followed:

- 1.- Wet the surface by spraying with clean water.
- 2.- Apply the mixture of **TECMADRY® SR** and water using a special brush with short hair covering the entire surface in a first layer.
- 3.- Let the coat dry 6 to 12 hours depending on weather conditions.
- 4.- Wet the coat in order to enhance its setting before applying the second coat.
- 5.- Apply a second coat, in a crossways to the first coat, covering the entire surface.
- 6.- Wet from time to time the coat to achieve a homogeneous setting.

SPECIAL RECOMMENDATIONS:

- Do not apply at temperatures below 5° C or when frost is expected within 24 hours of application.
- Do not apply on frozen or frosted surfaces.
- Do not excessively damp the wall when the temperature is low, not reaching 5° C.
- Do not apply plaster, paint or lime.

- Allow to cure a minimum of 7-14 days (depending on temperature and humidity) before filling with water or painting.

CONSUMPTION:

For proper sealing is necessary to apply a minimum of 2 crossed layers with a total consumption of about 2 kg / m². Occasionally, due to water pressure conditions, it may be necessary to apply three layers with a total consumption of 3 to 4 kg / m².

COLORS:

TECMADRY®SR is presented in grey.

ACCREDITATION:

Product with the European conformity mark **CE**: product compiles with European Standard **EN 1504-2 (System 2+)** and **European regulations on construction products**.

SPECIFICATIONS:

Bulk density of powder component	1,15 g/cm ³
Particle size distribution (EN 12192-1)	0 – 0,6 mm
Pot life	30 minutes approx.
Application temperature	+5 to +30 °C
Bulk density of fresh mortar (EN 1015-6)	2020 kg/m ³
Water vapor permeability (EN ISO 7783-1/-2) (Equivalent air barrier)	S _D < 5 meters Class I (EN 1504-2) Permeable to water vapor
Liquid water permeability (EN 1062-3)	< 0,1 kg/ m ² .h ^{0,5} - Impermeable to water (EN 1504-2)
Adhesion on concrete support (EN 1542)	> 1,0 MPa
Compressive strength (EN 12190)	> 45,0 MPa
Flexural strength (EN 196-1)	> 7,0 MPa
Reaction to fire (EN 1504-2)	Euroclass A1
Hazardous Substances (EN 1504-2)	In accordance with paragraph 5.3 of the Standard EN 1504-2

PACKAGING AND STORAGE:

TECMADRY®SR is presented in multilayer paper bags of 25 kg. net. **TECMADRY®SR** should be stored in the original unopened bags. The estimated period of storage in the original bags shall not exceed 12 months.

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