

Product with the European conformity mark 

PRODUCT N °: 3.123

TECMADRY® CIMENTACIONES

Hydraulic waterproofing material for foundations

DESCRIPTION:

Cement based hydraulic waterproofing material designed for preventing and removing dampness above and below ground water level. **TECMADRY® CIMENTACIONES** is especially recommended for an efficient waterproofing in concrete foundations and masonry, avoiding the passing of the water through them. Its easiness of application makes of **TECMADRY® CIMENTACIONES** the best and most cost worthy waterproofing system in the market.

Due to its special formulation, **TECMADRY® CIMENTACIONES** does not alter the vapor exchange conditions of the support, thus allowing its natural transpiration.

APPLICATION FIELD:

TECMADRY® CIMENTACIONES is recommended for treating and preventing dampness, achieving an excellent waterproofing on: concrete, rendering, cement mortar, concrete blocks, rendered brick, masonry, etc.

Its use is especially recommended when waterproofing foundations under ground water level, as well as for preventing filtrations of water coming from the surface. It can also be used as barrier against capillarity ascending dampness in the different units.

SURFACE CONDITIONING

Surfaces should be free from any pollutant such as grease, oil, mold release agents remains, grout, dust, sand, loose materials, etc. Paint and other waterproofing materials remains have to be removed. Efflorescence and mineral salts have to be removed before applying **TECMADRY® CIMENTACIONES**. The best surface treatment is based on mechanical means, such as sand blasting, brushing, etc. (this is especially necessary when the surfaces are smooth and little porous) Damaged areas have to be previously repaired with **PREMHOR**. Should there be water ways, they will have to be closed with **PROQUICK** applying afterwards a **PREMHOR** grout before applying **TECMADRY® CIMENTACIONES**. Before applying **TECMADRY® CIMENTACIONES** on the surfaces, these will have to be damped with water.

METHOD OF USE:

Mix **TECMADRY® CIMENTACIONES** with clean water in a suitable container and stir until getting a pasty-fluid and homogeneous consistency. As an indication, use 6-7 liters of water every sack of **TECMADRY® CIMENTACIONES**. Always try to get a pasty mixture free from lumps, as homogeneous as possible. It's recommended to mix with a mechanical mixer.

Let the mixture rest for 5-10 minutes in order to get a better setting activation.

When it's desired to enhance or improve the adherence on certain surfaces, **TECMADRY® CIMENTACIONES** will be prepared using a solution of water and **CRYLADIT** in the following proportions: minimum 2 Lts. of **CRYLADIT** for each 25 Kgs. bag of product. Before mixing, dilute **CRYLADIT** in water and add this solution to **TECMADRY® CIMENTACIONES** stirring until getting a homogeneous mixture. For each sack of **TECMADRY® CIMENTACIONES** we'll need about 4.5 - 5 liters of water and 2 liters of **CRYLADIT**.

APPLICATION

When applying, follow the steps hereunder:

- 1.- Damp the surface by spraying with clean water.
- 2.- Apply the mixture of **TECMADRY® CIMENTACIONES** and water using a special short haired brush, covering thoroughly the whole surface, in a first coat.
- 3.- Let the coat dry for 8 – 12 hours depending on the weather conditions.
- 4.- Damp the coat in order to enhance setting before applying the second coat.
- 5.- Apply a second coat, crossing it with the first one, covering the whole surface.

6.- Damp the coat from time to time, in order to get a homogeneous setting.

SPECIAL RECOMMENDATIONS:

- Do not apply with temperatures below 5 °C or if frost is expected during the 24 hours after application
- Do not apply on frozen or frosted supports
- Do not damp the wall excessively when temperature is low, not reaching 5 °C.
- Do not apply on gypsum, paint or lime.
- Once **TECMADRY® CIMENTACIONES** is applied, protect the application with polystyrene panels with a minimum thickness of 3 cm, in order to avoid damages due to the rest of the working.

CONTRAINDICATIONS:

Do not use when directly exposed to sunlight.

Just as any other rigid mortar, it should not be applied on supports submitted to strong movements. It's recommended to let some time for the support to settle before applying **TECMADRY® CIMENTACIONES**. This period usually takes about 2 months.

Do not use on lime or gypsum.

YIELD:

For a correct waterproofing, the recommended amount is 1,5 – 2 kg/m².

When there's water pressure, such as the case of swimming pools, tanks, etc, the amount should be 3–4 kg./m².

COLOURS:

TECMADRY® CIMENTACIONES is supplied in cement grey and light white.

ACCREDITATIONS:

Product with the European conformity mark **CE**: product compiles with the European Standard **EN 1504-2** and **Directive 89/106/EEC on construction products**.

SPECIFICATIONS:

Apparent density of the powder component	1,17 g/cm ³
Particle size distribution (EN 12192-1)	0 – 0,6 mm
Pot life	30 minutes approx.
Application temperature	+5 to +30 °C
Apparent density of the fresh mortar (EN 1015-6)	1980 kg/m ³
Setting time (EN 13294)	Initial: 2 hours Final: 3 hours
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} Waterproof (EN 1504-2)
Bond strength on concrete support (EN 1542) (28 days)	> 1,0 MPa
Hazardous substances (EN 1504-2)	According to EN 1504-2 Standard – Section 5.3
Fire reaction (EN 1504-2)	Euroclass A1

PACKAGING AND STORAGE

TECMADRY® CIMENTACIONES is supplied in multi-coat paper sacks containing 25 kg. **TECMADRY® CIMENTACIONES** should be kept in the original sacks, tightly closed.

The storage period in the original sacks won't be longer than 12 months.

TECMADRY® is a trade mark owned by **Industrias Químicas Satecma® S.A.**

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