



DDL.ECM INJEÇÃO

Datasheet

603



Invention Patent n° 108904
(Boletim Propriedade Industrial 80/2017)



TECHNICAL DATA

DRY PRODUCT

Weight by package..... 7.5 kg
Dry bulk density (EN 1015-10)..... 250 to 300 kg/m³
Conservation 12 months

PASTE PRODUCT

Mixing water 144 % ±2 %
Mixing time 4 to 6 minutes
Yield 3 a 4 kg/m²/cm
Work time 30 minutes
Drying time 4 weeks
Cure time 6 months

PERFORMANCE

Class (EN 998-1)..... LW T
Compressive strength (EN 1015-11) CS I
Flexural strength 0,37 N/mm²
Modulus of elasticity..... ≤ 170 N/mm²
Adhesion (EN 1015-12) ≥ 0,1 N/mm² - FP:B
Capillary water absorption (EN 1015-18) W 0
Water vapour permeability coefficient (μ) (EN 1015-19) ≤ 15 kg/m².s.Pa
Thermal conductivity (_{t10,dry}) (EN 1745) 0,070 W/mK
Reaction to fire (EN 13501)..... A2 - s1, d0
Durability.....
.. Varies according the conditions at the local of application
Colour..... Light grey

The indications and information are provided in good faith and reflect the last developments. DDL assures the consistent quality of the product, and is not liable regarding its application. Previous tests are recommended to verify the suitability of the product to the substrate and the environmental conditions at the local of application.

Date April 2017 (version 1)

DESCRIPTION

DDL.ECM INJEÇÃO (injection) is a premixed dry mortar. It consists in aerial hydrated lime as binding materials, properly calibrated aggregates and additives. The core aggregate is cork, which ensures its light weight and high thermal resistance, low mechanical resistance and low environmental impact. It is free of dense graded aggregates. It's an industrial light thermal insulation mortar (LW / T1 - CS I - W0) for outdoor and indoor application. It is a coarse mortar to fill back air cavities

DDL.ECM INJEÇÃO has a suitable mechanical resistance and good working time, high viscosity, low level of soluble and hydratable salts, and high vapour permeability.

DDL.ECM INJEÇÃO is in conformity with EN 998-1.

APPLICABILITY

DDL.ECM INJEÇÃO was designed to provide thermal insulation in areas that are not accessible (double-stud walls). The good thermal performance contributes greatly to the isolation of facades, and lowers the dew point. As a result of this, it represents a good solution to interstitial condensation, assuring a high permeability to vapour.

DDL.ECM INJEÇÃO can be applied in rehabilitation of double brick walls without thermal insulation.

PREPARATION AND ENVIRONMENTAL CONDITIONS

Before injecting **DDL.ECM INJEÇÃO** inspect the area, looking for possible escaping points. In every case there must three high points for air exit, and the injection point must be below these.

The application must not be done with temperatures above 25 °C nor below 5 °C. The relative humidity must be below 80%.

APPLICATION AND RECOMMENDATIONS

To prepare **DDL.ECM INJEÇÃO** add 144 % (weight of water). For every 7.5 kg of mortar add 10.8 litres of water.

Mixing should take place with mechanical mixer, low spin (750 rpm) for 3 to 4 minutes, followed by high mixing (1500 rpm) for 3 to 5 minutes until a homogeneous paste is obtained.

The injection must be done at low pressure (2.5 bar), with no limits of thickness. After the complete filling of the area, seal all air exits and also the injection point, and any other exit point that may have showed during the process.

The walls must rest for 10 days, and no works should be done during that time. The mixing water will evaporate gradually, varying according the characteristics of the materials of the system. It's advisable not trying to speed up this process with heat or dehumidifiers that may cause damages.

Equipment and tools must be washed with clean water. The product's pH is high; therefore the materials must be protected from alkaline damages.

Do not add any other products.

SAFETY, HEALTH AND STORAGE

Avoid contact with the eyes and skin. Use gloves and safety goggles. Keep away from children.

Keep the bag well sealed and in a suitable place. Ensure the adequate transportation of the product. Keep the package in a safe place, do not use or store the product in extreme conditions of temperature, and keep it away from ice and humidity. Always keep in mind the applied legislations.

For more information check the label and the safety data sheet.