



DDL.LMM STANDARD

Datasheet

201



TECHNICAL DATA

DRY PRODUCT

Weight by package	28 kg
Dry bulk density (EN 1015-10)	1325 to 1375 kg/m ³
Conservation	12 months

PASTE PRODUCT

Mixing water	18 % ±2 %
Mixing time	3 to 5 minutes
Yield	13 to 16 kg/m ² /cm
Work time	30 minutes
Drying time	3 weeks
Cure time	6 months

PERFORMANCE

Class (EN 998-1)	GP
Compressive strength (EN 1015-11)	CS I
Flexural strength	0.60 N/mm ²
Modulus of elasticity	≤ 5000 N/mm ²
Adhesion (EN 1015-12)	≥ 0.1 N/mm ² - FP:B
Capillary water absorption (EN 1015-18)	W 0
Water vapour permeability coefficient (μ) (EN 1015-19)	≤ 15 kg/m ² .s.Pa
Thermal conductivity (λ _{10,dry}) (EN 1745)	0.82 W/mK (tabulated value)
Reaction to fire (EN 13501)	A1
Durability	Varies according to the conditions at the local of application
Colour	Beige

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.LMM STANDARD is a traditional, premixed dry mortar. It consists in slaked lime and hydraulic natural lime as binding and properly calibrated aggregates. The aggregates are siliceous of continuous granularity (< 4 mm) and other additives. It is an industrial mortar of general use (GP – CS I – W 0) for outdoor and indoor application. It is a plaster mortar for walls, columns, partitions and ceilings.

DDL.LMM STANDARD has a medium mechanical resistance, regular working time, high plasticity, low level of soluble or hydratable salts, good vapour permeability and low tendency to cracking.

APPLICABILITY

DDL.LMM STANDARD is a plaster mortar suitable for use in buildings dated between 1920-1940.

DDL.LMM STANDARD can be applied in rehabilitation and restoration (stone, brick, and earth masonry), in interiors and facades.

PREPARATION AND ENVIRONMENTAL CONDITIONS

Before applying **DDL.LMM STANDARD** the substrate must be clean of all dust, dirt and paint by brushing or chiselling. Salts, grease and other contaminants must also be removed.

After the cleaning, the substrate must be wetted with clean water on the previous day of the application. Before the application on highly absorbent materials, the wetting must be repeated.

The application must not be done when the temperatures are above 25 °C, nor below 5 °C. The relative humidity must be below 80%. The application must not be done under strong wind. Until after 3 days after the application, the mortar must not be exposed to rain, direct sunlight or frost.

APPLICATION AND RECOMMENDATIONS

To prepare **DDL.LMM STANDARD** add 18 % (weight) of water. For every 28 kg of mortar add 5.0 litres of water. The mix must be done with a mechanical mixer, at low speed, from 3 to 5 minutes, until obtaining a homogeneous paste.

Application must be done manually or mechanically (projection). The layers thickness must be 15 mm minimum and 30 mm maximum. When it starts setting, smooth the surface with appropriate tools. After 8 hours tighten the mortar to make it more compact and increase its durability. Wait 1 to 5 days between layers of 10 mm. It allows a smooth or textured finishing.

Edges and wedges will probably require the use of appropriate profiles. Dilatation joint of the substrate must be respected. If there are different materials in the system, the mortar must be reinforced with synthetic or natural nets. The nets must be incorporated in the outer side of the layer.

If the substrate has soluble salts, wait until it stabilizes before applying the next layer.

Not wetting the substrate can cause cracking. Saturation is neither recommended. Too much mixing water makes the mortar prone to cracking and the decreases its mechanical characteristics and durability.

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. Can be used with DDL.LMM SLIM (plaster mortar).

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.