



## DDL.CM SLIM

Datasheet



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### DESCRIPTION

**DDL.CM SLIM** is a premixed dry mortar. It consists in cement (natural and CEM) and lime as binding materials, and properly calibrated aggregates. The aggregates are siliceous of continuous granularity (< 2 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.CM SLIM** has a high mechanical resistance, reduced working time, good plasticity, low level of soluble and hydratable salts, good vapour permeability and low tendency to cracking.

### APPLICABILITY

**DDL.CM SLIM** is a plaster mortar suitable to use in buildings dated after 1960.

**DDL.CM SLIM** can be applied in rehabilitation and restoration (stone, brick, and earth masonry), as well as in new constructions.

### PREPARATION AND ENVIRONMENTAL CONDITIONS

Before applying **DDL.CM SLIM** 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 48 hours after the application, the mortar must not be exposed to rain, direct sunlight or frost.

### APPLICATION AND RECOMMENDATIONS

To prepare **DDL.CM SLIM**, add 23 % (weight) of water. For every 25 kg of mortar add 5.7 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 can be done manually or mechanically (projected). The layers thickness must be 5 mm minimum and 15 mm maximum. When it starts setting, smooth the surface with appropriate tools.

It allows a smooth or textured finishing. Final layers, like painting, must be done after 15 days.

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 net must be incorporated in the external part of the 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.CM STANDARD (coarse mortar) and DDL.CM FINISH (finishing 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.

### TECHNICAL DATA

#### DRY PRODUCT

Weight by package ..... 25 kg  
Dry bulk density (EN 1015-10) .....  
..... 1425 to 1475 kg/m<sup>3</sup>  
Conservation ..... 12 months

#### PASTE PRODUCT

Mixing water ..... 23 % ± 2 %  
Mixing time ..... 3 to 5 minutes  
Yield ..... 14 to 16 kg/m<sup>2</sup>/cm  
Work time ..... 30 minutes  
Drying time ..... 2 weeks  
Cure time ..... 3 months

#### PERFORMANCE

Class (EN 998-1) ..... GP  
Compressive strength (EN 1015-11) ..... CS I  
Flexural strength ..... 0.6 N/mm<sup>2</sup>  
Modulus of elasticity ..... ≤ 4000 N/mm<sup>2</sup>  
Adhesion (EN 1015-12) ..... ≥ 0.1 N/mm<sup>2</sup> - FP:B  
Capillary water absorption (EN 1015-18) .... W 0  
Water vapour permeability coefficient (μ) (EN 1015-19) ..... ≤ 15 kg/m<sup>2</sup>.s.Pa  
Thermal conductivity (ë10.dry) (EN 1745) .....  
..... 0,82 W/mK  
Reaction to fire (class) (EN 13501) ..... A1  
Durability .....  
Varies according the conditions at the local of application  
Colour ..... Grey 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.

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