GECO LIME Plaster

PREMIXED PLASTER FOR HIGH-THICKNESS APPLICATIONS ON DAMP WALLS

GECO LIME - Plaster
Premixed plaster for high-thickness applications on damp walls

WHY CHOOSE IT	· Its specific weight allows very thick applications (> 20 mm per coat). · Waterproof and breathable, ideal for the rehabilitation of damp walls. · The NHL 5 natural hydraulic lime makes it perfect for work on historic buildings. · Anti-sagging additives ensure excellent surface uniformity. · Mineral fibres improve impact resistance. · Soft and workable, it reduces application effort and time on site. · Controlled hydraulic shrinkage minimises fissures and cracking.	
MAIN USES	· Regularising plaster coat on all types of damp surfaces, particularly concrete and existing historic substrates. · Levelling of uneven substrates (up to 20 mm height differences). · Rehabilitation mortar (EN 998-1 R).	
	SUITABLE SUBSTRATES	**PREPARATION**
	· Concrete. · Aerated concrete. · Masonry and plasters of any kind. · Terracotta, bricks, stone. · Mortars of any type. · Mineral materials in general, provided their water absorption is not excessive or completely absent.	If the substrate is not sufficiently solid and cohesive, it must be repaired and reinforced with a suitable scratch coat such as Geco Lime - Scratch. If release agents (dust, debris) or lubricants (greases, waxes, detergents) are present on the surface to be treated, carry out thorough cleaning and or light abrasion, or use a primer. **Only breathable primers must be used**, which do not hinder the release of vapour from the walls to be rehabilitated. Pour 3/4 of the mixing water into a clean container, add the powder and mix for approximately 3 minutes using a slow-speed mixer, gradually adding the remaining mixing water until a homogeneous paste is obtained.
APPLICATION DATA	Aspect:	grey/beige powder
	Maximum particle size:	1.5 mm
	Open time:	20 minutes
	Thickness per coat:	6 - 20 mm
	Number of coats:	1+
	Yield:	1.5 kg/m^2 per mm
	Fresh density:	1650 ± 50 g/dm^3
	Water:	5.0 - 5.5 L/bag (20% - 22%)
	Mixing time:	3 minutes
	Packaging:	25 kg bags
	Application and curing temperature:	between +5 °C and +35 °C
	Storage in a dry place:	12 months from date of production

EDILTECO group | GECO Dehumidification System Division

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APPLICATION

· Immediately before application, the substrate must be dampened until it reaches SSD (Saturated Surface Dry) condition, without any standing water. If bubbles appear, or if the substrate is highly absorbent or porous, a scratch coat such as Geco Lime - Scratch is required.
· Apply a first coarse scratch coat with a trowel. Then apply the product, possibly in a single coat within the indicated thickness range, levelling and smoothing with an H-shaped straightedge or blade until a flat surface is obtained.
· For applications with thicknesses greater than 20 mm, the product can be applied in two or more successive layers at least 24 hours apart, lightly roughening the underlying layer before applying the next one. A coarse and not overly closed final finish is ideal to maintain the dehumidifying performance of the product once dry.

TECHNICAL CHARACTERISTICS
EN 998-1 R

CHARACTERISTIC	PERFORMANCE	STD. REQUIREMENT
Compressive strength:	> 1.5 MPa (CS II)	Classes I-IV
Dry density:	1600 ± 50 kg/m^3	-
Adhesion strength (on terracotta) and failure pattern:	≥ 0.50 MPa - pattern B *(substrate failure)*	-
Capillary water absorption:	> 0.3 kg/m^2 after 24 h	≥ 0.3 kg/m^2 after 24 h
Capillary rise:	< 5 mm	≤ 5 mm
Water vapour permeability μ:	≤ 11	-
Thermal conductivity:	< 0.25 W/mK	-
Fire reaction class:	A1 (non-combustible)	A1-F

GENERAL PRECAUTIONS

· Do not carry out partial mixing and do not add additives or solvents other than clean water at ambient temperature.
· Do not use bags that are torn, previously opened or containing hardened or lumpy material.
· Do not add extra water to material that has already been mixed.
· While still fresh, the product must be protected from bad weather and from excessively rapid drying (by shielding it from direct sunlight and wind) for at least 48 - 72 hours after application.
· The data and times given here refer to controlled conditions of +21 °C and 65% R.H. Higher temperatures may accelerate them, while lower temperatures may slow them down and can stop them completely below +5 °C.
· Clean tools with water while the material is still fresh.

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