GECO LIME
Scratch

NATURAL HYDRAULIC LIME-BASED BONDING MORTAR

GECO LIME - Scratch
Natural hydraulic lime-based bonding mortar

WHY CHOOSE IT	· Its carefully designed particle size is ideal for creating a rough base layer. · Waterproof and breathable, ideal for the rehabilitation of damp walls. · The NHL 5 natural hydraulic lime makes it perfect for work on historic buildings. · Soft and workable, it reduces application effort and time on site. · Controlled hydraulic shrinkage minimises fissures and cracking.	
MAIN USES	· Bonding layer for dehumidification cycles against rising damp. · Particularly suitable for rehabilitation cycles with plasters. Suitable for slowing down salt efflorescence. · 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.	The surface must not be frozen, must be permeable and solid, and free from loose parts, efflorescence and dust. In case of significant salt migration from the substrate, specific treatment is required (e.g. dry brushing, application of an inhibiting liquid such as Geco Antisalt, etc.). If the surface is not sufficiently solid and cohesive, it must be repaired and reinforced with a suitable repair mortar. 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 sandblasting. Where salts are present, carry out a suitable anti-salt treatment. 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 water until a homogeneous paste is obtained.
APPLICATION DATA	Aspect:	grey/beige powder
	Maximum grain size:	0.5 mm
	Open time:	20 minutes
	Thickness per coat:	1 - 5 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.
· Apply the material with a trowel, avoiding smoothing it, so as to create a rough and textured surface that improves adhesion of subsequent layers and preserves the dehumidifying performance of the product once dry.

TECHNICAL CHARACTERISTICS
EN 998-1 R

CHARACTERISTIC	PERFORMANCE	STD. REQUIREMENT
Compressive strength:	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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