



Malta GB 831 Light

TDS

COD. 814/....

Mineral-based adhesive and skim coat consisting of cement, selected fine sands, hydraulic and synthetic binders, and special additives, lightened with polystyrene.

Suitable for fixing and skim coating insulating panels in EPS / rock wool / wood fibres used in thermal insulation systems.

Use category II (according to ETAG 004).

Good adhesion; excellent workability; high permeability to vapour; high mechanical stress resistance; quick setting and drying.

Can also be used for fixing and coating isolating panels for skirting (EPS-P).

TYPICAL CHEMICAL AND PHYSICAL CHARACTERISTICS

APPEARANCE	white powder	
COMPOSITION	lime - cement - premium calcareous sand - polystyrene	
SPECIFIC WEIGHT	about 1,150 kg/m ³	
PARTICLE SIZE	≤1.2 mm	
PERMEABILITY TO WATER VAPOUR	μ 20 Sd = 0.1 m	UNI EN 1015-19
WATER ABSORPTION	W = max 0.5 kg/m ² 24h	UNI EN 1015-18
THERMAL CONDUCTIVITY (LAMBDA)	λ about 0.54 W/m °K	
COMPRESSIVE STRENGTH	about 4 N/mm ²	(28 days EN 1015-11)
FLEXURAL STRENGTH	> 2.5 N/mm ²	(28 days)
ELASTIC MODULUS	about 3,500 N/mm ²	
FIRE RESISTANCE	Reaction to fire, A1	EN 13501-1

COLOURS

White,





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TYPICAL APPLICATION CHARACTERISTICS

WORKABILITY TIME (at 20°C and 65% R.H.)	about 2 hours
RE-COATING TIMES	24 hours for re-coating with same product; wait at least 15 days to overcoat with high build finish (e.g. SILNOVO INTONACO, BIQUARZ ACRILSILOSSANICO)
FINAL THICKNESS AS SKIM COAT	4-5 mm
EFFECTIVE COVERAGE	as adhesive: 2-3.5 kg/m ² depending on type of substrate as skim coat: about 1.0 kg mm/m ² depending on type of panel
DILUTION	about 7 L / pack
STORAGE	8-12 months in a dry place
TOOLS	steel trowel

APPLICATION SYSTEM

SUBSTRATES: substrates must be dry, in good general condition and free of foreign materials (dust, algae, release agents, etc.)

SUBSTRATE PREPARATION: remove crumbly or poorly anchored materials, traces of release agents and biological infestations. Surfaces with a tendency to moderate chalkiness should be treated with fixative; plaster walls with significant sagging should be demolished and relaid.

MORTAR PREPARATION: for manual application, mix a bag of powder with the amount of clean water indicated using a mechanical stirrer or mixer to obtain a smooth paste. Leave this mixture to rest for 10 minutes, then briefly mix again and use. Use the fresh mortar within about 2 hours. Do not mix with other products, additives, etc.

USE AS ADHESIVE: the perimeter bead and point method is preferable, with 50 mm wide by 20 cm high stripes (final glued surface >40%). On perfectly flat substrates, the mortar can be applied to the entire surface using a notched trowel. At 15°C and 50% R.H. the adhesive has fully hardened after 2 days and can be partially loaded.

USE AS SKIM COAT: apply no sooner than 2/3 days after fixing the panels, to a thickness of about 4-5 mm, then lay out the net and press with the trowel to fully embed it in the layer of skim coat.



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TECHNICAL SPECIFICATIONS (for contracts and quotations)

GENERAL CHARACTERISTICS	mineral-based white adhesive and skim coat for insulating panels in EPS/rock wool; use category II (according to ETAG 004)
SPECIFIC WEIGHT	about 1,150 kg/m ³ at 20°C

GENERAL INFORMATION AND NOTICES

During application and drying, the ambient and substrate temperature must not be below 5°C. Until completely dry, protect from: freezing - direct sunlight - wind - rain.

Store the product in a sheltered place, away from damp.

The technical information provided above is the result of careful laboratory testing and practical experience. Nevertheless, as the product is often used outside our control, we are unable to guarantee the quality of the end result. This information is subject to review by the Company.

Please carefully read the "GENERAL RECOMMENDATIONS".

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