

TRADICIOCAL 850

LIME-BASED MORTAR FOR GROUTING OLD MASONRY STONES

1. PRODUCT DESCRIPTION

TRADICIOCAL 850 is a lime-based rehabilitation mortar composed of limestone and silica aggregates and additives. It is specially designed for use in the rehabilitation and conservation of buildings, respecting the characteristics of the existing masonry. Natural coloured product (possible colour adjustment available, subject to minimum quantities).

TRADICIOCAL 850 is supplied in 25 kg bags and packed in plastic pallets of 60 bags. Provided that it is kept in its original packaging, the product has a shelf life of 12 months under storage conditions in which it is protected from high temperatures and humidity.



2. DOMAIN OF USE

TRADICIOCAL 850 is suitable for filling joints in old masonry, exposed stone, interior and exterior walls. It allows for the original aesthetic appearance of the building to be maintained, respecting the characteristics of the original surface.

Application of this product must be properly advised and technically monitored by our Technical Services.

3. CHARACTERISTICS OF THE PRODUCT:

POWDERED PRODUCT	Medium values*	Reference standard
Aspect	Natural coloured powder**	-
Mass for unit of volume	1300-1400 kg/m ³	-
Particle sizing	Fine (< 1,0 mm)	-

PASTED PRODUCT	Medium values*	Reference standard
Application temperature	+5°C a 30°C	-
Kneading Water	20%	-
Theoretical consumption	16 Kg/m ² /cm	-

HARDENED PRODUCT	Medium values*	Reference standard
Density	1300-1400 Kg/m ³	EN 1015-10
Compressive strength	≥ 2,0 N/mm ²	EN 1015-11
Capillarity after 24h	≥ 0,30 kg/m ²	EN 1015-18
Water vapour permeability (μ)	< 15	EN 1015-19
Adhesion	≥ 0,2 N/mm ²	EN 1015-12
Thermal conductivity	0,49 W/m.K (P=90%) 0,45 W/m.K (P=50%)	EN 1745

* Results obtained in tests carried out under standard conditions, which may vary depending on the conditions of use.

** Possible colour adjustment available, subject to minimum quantities.

4. RECOMMENDATION OF APPLICATION:

• Supports preparation:

Old masonry surfaces are typically unstable and powdery, so they must be carefully prepared. Surfaces must be free of dust, release agents and disintegrating or unstable materials, efflorescence, or any other materials that may impair the adhesion of the mortar.

We recommend cleaning it lightly with a steel brush and/or low-pressure water jet. Cleaning should not be too aggressive so as not to weaken the surface further.

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• **Mortar preparation:**

Mix **TRADICIOCAL 850** mechanically with 5 litres of water per 25 kg bag, using an electric mixer on low speed until it forms a smooth, consistent paste with no lumps.

• **Application:**

The mortar is applied manually using a trowel so as to correctly fill the empty spaces between the stones. When necessary, should there be deeper cavities, these can be filled with fragments of stones/ceramics. **TRADICIOCAL 850** provides a traditional, sanded finish.



5. COMPLEMENTARY ADVICES

- Water mixed with the mortar should not contain any impurities (clay, organic matter), and should preferably be drinking water;
- Use the same amount of water in all mixtures. The final product color may change when different amounts of water are used.
- Do not apply product that has started to set or softened mortars;
- Do not add any other products to the mortar, and apply the product as presented in its original packaging and mixed according to recommendations;
- There may be a slight variation in colour from batch to batch. We recommend ordering the product for the entire project.


6. HYGIENE AND SAFETY:

The product safety report is available at www.argatecnic.pt or you can apply to our Commercial Services.

7. TECHNICAL ASSISTANCE:

For technical assistance and commercial information, you can contact:

LENARGATECNIC, LDA.
Rua dos Castanheiros, 11 Boa Vista
2420-415 Leiria – Portugal
Phone no.: (+351) 244 723 720
E-mail address: geral@argatecnic.pt
www.argatecnic.pt

	TRADICIOCAL 850 EN 998-1 Renovation render mortar (R) for interior and exterior coatings DoP n. 850 Performance declared
LENARGATECNIC, LDA Rua dos Castanheiros, nº 11 Boa Vista 2420-415 LEIRIA, Portugal	

The information, recommendations and technical characteristics stated in this Technical Report are provided in good faith and they represent the current knowledge of the offered product; however, they can be changed without previous warning. Our responsibility is restrained to the guarantee of the product quality according to its physical and chemical characteristics, as stated in this Technical Report. It does not cover any guarantee on its application/use, even if inferred from the Technical Report or even if being object of an oral or written recommendation.



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