

mortars

MG 18 MALTACOLOR G5 "TERRA DI SIENA"

Colored mortar for masonry with exposed concrete, M5 class



Product description

Dry premix, based on selected inerts, aerial and hydraulic binders, special additives, inorganic pigments and colored soils.

Supply and Storage

MG 18 MALTACOLOR G5 "Terra di Siena", is supplied in bags, on stretch pallets. Store in a cool, dry and non ventilated place. Keep packaging intact. Use before expiry date stated on the bag.



Surface Preparation and Application

The surface must be free from dust, efflorescence, oils and fats. In order to minimize the efflorescence phenomenon, the bricks should be soaked in water for several hours before laying, thus saturating the pores, and use in half an hour after removal from water. Pores saturation limits to the maximum the contact between the substances present in the bricks and the mortar, which give birth to compounds that constitute the basis for the efflorescence phenomenon.

For the application, operate as follows: Prepare the dough by adding about 19 lt. of water x 100 kg of dry product: stir in drum and, if needed, add water to reach optimum consistency. Proceed with application after having placed alignment and lead weights, taking care to properly attach each item. Once the plastic phase is finished, proceed to fix

the joints with the appropriate iron.

Fields of use

MG 18 MALTACOLOR G5 "Terra di Siena" is a mortar for masonry with exposed concrete, interior or exterior, to be used with bricks, vibrated cement and expanded clay blocks. The low particle size allows for a perfect styling of the joints. The particular color is very appreciated for restoration works.

Specifications

The elements used for the elevation of the walls, both interior and exterior, type apparent bricks, concrete blocks, etc. must be carefully enticed with the premixed mortar MG18 COLORMORTAR M5 "Terra di Siena" from Fornaci Calce Grigolin, dry premix based on selected inerts, aerial and hydraulic binders, special additives to improve workability and a mixture of inorganic pigments and colored soils which give it the typical

Technical data according to the UNI EN 998-2 Standard

Specific weight	1.500 kg/m ³ determined in free fall
Maximum diameter	1,25 mm
Pot life	2 h
Water in the mix	approx. 19%
Hygrometric withdrawal	0,5 mm/m
Min. application thickness	0,5 ÷ 2 cm
Chloride content	< 0,01%
Resistance to initial cut	0,15 N/mm ² (tabulated value)
Mechanical resistance to flexion at 28 days	> 2,5 N/mm ²
Mechanical resistance to compression at 28 days (M5)	> 6 N/mm ²
Fire resistance	A1 class
Water vapor permeability →	15/35 (tabulated value)
Thermal conductivity	0.75 W/mK (tabulated value)

Disclaimers

Do not mix MG18 COLORMORTAR M5 "Terra di Siena" with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. Avoid using MG18 COLORMORTAR M5 "Terra di Siena" when temperatures are below +5°C or above +30°C. Wet surface before application.

I dati riportati si riferiscono alle prove di Controllo Qualità in condizioni ambientali normalizzate. Applicazioni pratiche di cantiere a seconda delle condizioni di esercizio possono rilevare dati sensibilmente modificati, pertanto le informazioni presenti nella Scheda hanno valore puramente indicativo in quanto l'utilizzatore deve sempre verificarne l'idoneità nell'impiego del prodotto assumendosi la responsabilità derivante dall'uso. Fornaci Calce Grigolin S.p.A. si riserva di apportare e modificare tecniche di qualsiasi genere senza alcun preavviso.