

mortars

MGK 182

Water-repellent mortar for masonry with exposed concrete, M10 class



Product description

Dry premix, based on selected inerts, hydraulic binders, water-repellent agent and special additives.

Supply and Storage

MGK182 is supplied in bulk, in a 22 m³ silo and 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 17 lt. of water x 100 kg of dry product: stir in drum and, if needed, add water to reach optimum consistency (for product delivered in bags), or adjust the water intake of the mixer to reach optimum consistency (for product delivered in silo). 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

MGK182 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. Due to its high mechanical strength, it is suitable for load-bearing walls.

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 MGK182 from Fornaci Calce Grigolin, dry premix based on selected inerts, hydraulic binders, special additives to improve workability and grip.

Technical data according to the UNI EN 998-2 Standard

Specific weight	1.550 kg/m ³ determined in free fall
Maximum diameter	1,25 mm
Pot life	2 h
Water in the mix	Approx. 17%
Hygrometric withdrawal	0,5 mm/m
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	> 3 N/mm ²
Mechanical resistance to compression at 28 days (cat. M10)	> 10 N/mm ²
Fire reaction	A1 class
Water vapor permeability μ	15/35 (tabulated value)
Thermal conductivity λ	0,90 W/mK (tabulated value)

Disclaimers

Do not mix MGK182 with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. Avoid using MGK182 when temperatures are below +5°C or above +30°C. Wet surface before application.

The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for intended use of the product by taking responsibility for the use. Fornaci Calce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice.