

## mortars

# MG 80

Cement mortar for masonry,  
class M20 according to EN 998-2  
standard



### Product description

Dry premix, based on selected inerts, hydrated lime, hydraulic binders, mainly hydraulic lime and special additives.

### Supply and Storage

MG80 is supplied in bulk, in a 22 m<sup>3</sup> silo and in bituminated 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 case of high temperatures, thoroughly wet the surface before commencing installation. For the application, operate as follows: Prepare the dough by adding about 13 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.

### Fields of use

MG 80 is a mortar for masonry which may be used on all types of surfaces, interior or exterior, which require high mechanical resistance values.

### 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 pre-mixed mortar MG 80 from Fornaci Calce Grigolin, dry premix based on selected inerts, aerial and hydraulic binders and special additives aimed at improving workability and grip.

### Technical data according to the UNI EN 998-2 Standard

Specific weight	1600 kg/m <sup>3</sup> deter. in cad. libera
Maximum diameter	3 mm
Pot life	2 h
Water in the mix	13% ca.
Hygrometric withdrawal	0,5 mm/m
Min. application thickness	0,5 cm
Mechanical resistance to flexion at 28 days	>5,0 N/mm <sup>2</sup>
Mechanical resistance to compression at 28 days (cat. M20)	>20 N/mm <sup>2</sup>
Water vapor permeability $\mu$	15/35 (tabulated value)
Resistance to initial cut	0,15 N/mm <sup>2</sup> (tabulated value)
Chloride content	<0,01 %
Fire reaction	Classe A1
Thermal conductivity $\lambda$	1,04 W/mK (tabulated value)

### Disclaimers

Do not mix MG80 other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. Avoid using MG 80 when temperatures are below +5°C or above +30°C. Wet surface before application. Do not apply onto frozen surfaces.

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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.