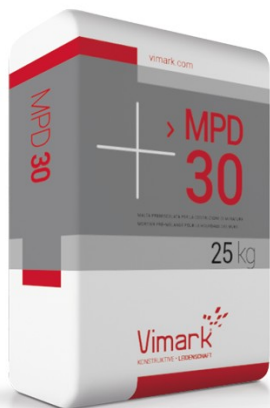




Lime and cement based mortar for wall construction



konstruktive · **leidenschaft**



Strada Spartafino, 2
12016 Peveragno (CN)



ph. +39 0171 38.38.00
Fax +39 0171 33.93.95



info@vimark.com
www.vimark.com



PRODUCT DESCRIPTION

MPD30 is a ready to use mortar for both internal and external traditional walls of brick blocks, cement conglomerates with heavy or light aggregates, tuff or natural stone. For laying thermal bricks we recommend using **MALTA ISOLANTE**.
Not to be used for laying aerated cement or chalk blocks.
The standard mortar is classified as *Class M5* according to the standard EN 998-2 for its resistance to compression. On request, a higher resistance to compression is available (*Class M10*).

COMPOSITION

MPD30 is a premixed brick mortar that is grey in colour, formulated with hydraulic binders, pure aggregates selected for the curve of silico-calcareous and specific additives to improve adhesion and workability of the product.

MIXING AND APPLICATION

The blocks whether in cotto, cement, tuff or natural stone, must be clean, free of dust, dirt or traces of oil or grease: in warm weather blocks should be slightly moistened with clean water before laying.
MPD30 mortar is mixed with water in a traditional cement mixer or a continuous mixer using 5.0-6.0 litres of water per 25 kg bag of powder. The mixture obtained can be used within 2 hours. Mix again with trowel before use without further addition of water.
After having positioned the lines and leads for a correct elevation of masonry, apply the blocks and add the mortar with a trowel in an adequate and constant quantity.
Apply pressure with the back of the trowel to the blocks applied and remove the excess mortar.

INDICATIVE AMOUNTS REQUIRED

~ 1500 kg per m³ of mortar.

Block dimension	Joint thickness	Indicative amount
8x12x24 cm	10 mm	13 kg/m ²
8x12x25 cm	10 mm	13 kg/m ²
8x15x30 cm	10 mm	11 kg/m ²
11x6,5x24 cm	10 mm	17 kg/m ²
11x8x24 cm	10 mm	15 kg/m ²
11x11x24 cm	10 mm	20 kg/m ²
12x11x23 cm	10 mm	21 kg/m ²
12x15x30 cm	10 mm	16 kg/m ²
14x5x30 cm	10 mm	16 kg/m ²
14x6x30 cm	10 mm	17 kg/m ²
14x8x30 cm	10 mm	18 kg/m ²
14x10x24 cm	10 mm	24 kg/m ²
14x11x23 cm	10 mm	20 kg/m ²
14x11x30 cm	10 mm	19 kg/m ²
19x10x30 cm	10 mm	19 kg/m ²

COLOUR

Grey.

PACKAGING

25 kg bags on disposable 1575 kg pallet (63 bags) protected by waterproof plastic wrap.





STORAGE

6 months in original intact packaging and stored in a dry place.

RECOMMENDATIONS

Do not apply in temperatures inferior of + 5°C, in the presence of strong wind, rain or in direct sunlight or temperatures of above + 35°C.
In high temperatures, moisten the surface with clean water before application of mortar.
Do not apply masonry blocks that are frozen, thawing or if freezing temperatures are expected within 24 hours after application. Apply mortar thickness no less than 10 mm.
Protect the surface from fast drying due to strong winds or direct sunlight.
Protect the surface from rain and frost for the first 2 days after application.

PRODUCT DATA

Appearance	powder	
Colour	grey	
Dry bulk density	~ 1500 kg/m ³	EN 1015-10
Maximum aggregate size	≤ 3.0 mm	

APPLICATION DATA

Water content of mix	20-24%
Mixing ratio	1 bag + 5.0-6.0 ℓ of water
Minimum application temperature	+ 5°C
Maximum application temperature	+ 35°C
Working time	≥ 120' minutes

PERFORMANCE DATA

Bulk density of fresh mortar	~ 1800 kg/m ³	EN 1015-6
Bulk density of hardened mortar	~ 1600 kg/m ³	EN 1015-10
Adhesion	0.15 N/mm ²	EN 1015-12
Air content	6.3%	EN 1015-7
Consistence of fresh mortar	170 mm	EN 1015-3
Contents of chlorides	< 0.011%	EN 1015-17
Compressive strength	≥ 5.0 N/mm ² Class M5 (standard)	EN 1015-11
Compressive strength	≥ 10.0 N/mm ² Class M10 (by request)	EN 1015-11
Flexural strength	≥ 2.0 N/mm ²	EN 1015-11
Capillary water absorption	1.60 kg/m ² x min ^{0.5}	EN 1015-18
Water vapour permeability coefficient	μ 15/35	EN 1015-19
Thermal conductivity	0.83 W/mK (tab. mean value; P=50%)	EN 1745, A.12
Specific heat capacity	1.0 kJ/kgK	EN 1745, A.12
Reaction to fire	A1 Class	EN 13501-1
Durability	Evaluation based on provisions valid in the intended place of use of the mortar	EN 998-1
Hazardous substances	See MSDS	EN 998-1

ACCORDING TO



EN 998-2
Factory made designed general purpose masonry mortar (G) for use in elements subject to structural requirements

REMARKS

Product for professional use. The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions. Updates will be published on the web site www.vimark.com.

