

MALTA BASTARDA FIBRORINFORZATA

Fibre-reinforced pre-dosed cement-lime mortar for plaster and masonry (M5)

It consists of: siliceous aggregate (0/2mm), cement hydraulic binder, fibres.

UNI EN 998-1 | 998-2

Name: G, GP



THE ADVANTAGES:

- It is **STRONGER**
- It contrasts **CRACKLES**
- It can be applied by **HAND** or with a **PLASTER SPRAYER**

FIELDS OF APPLICATION

- External and internal plastics
- Mortar for SEISMIC AREA walls.
- Laying of floors, stairs, marble and stone slabs
- Fixing electric / plumbing tubes (on floor or wall).

SUPPORT PREPARATION

- For MASONRY (mortar bed):
 - High temperature: wet the bricks/blocks before laying the mortar, if necessary.
- For PLASTER:
 - Laying surface (wall or pre-existing mortar): it must be clean and compact, i.e. it must not "crumble" nor produce powder.
 - Low adhesion walls: apply a "open and not covering rough coat" (*) at least 24 hours before plaster application.
 - High temperature: wet the wall to refusal, without exceeding, before mortar application.

(*) rough coat that leaves approx. 30% of the surface visible, it is left raw and not trowelled to improve plaster adhesion. It is particularly recommended for plasters on old masonries and reinforced concrete walls.



PRODUCT PREPARATION

- Pour the whole package content (and not only a part) in an auger mixer (TURBOMALT), in a plaster sprayer (like STEP 120 of Imer International) or in a cement mixer. **Do not mix for more than 3 min.** It can also be mixed by hand (as long as the mix is homogeneous).
- Use the mixing water quantity indicated in the table.
- Use within 30' from mixing end.



USE MODES

- PLASTER laying: prepare the "guide strips" with the same product and apply the plaster within 1 hour from making the strips, either by hand or with the plaster sprayer.
 - THICKNESS of each layer: min 0.5 cm - max 2 cm.
 - Total THICKNESS: max 3 cm (above 2 cm use a plaster mesh resistant to alkalis).
- Laying of BRICKS and BLOCKS: min. 0.5 cm - max. 1.5 cm.
- Laying of FLOORS and SLABS: min. 1.5 cm - max. 3 cm.



WARNINGS

- Operating temperature: from + 5° C to + 35° C.
- Additions to the original compound: to be avoided.
- Recommended use: professional.

STOCKING AND STORING

- It can be stored for up to 6 months in closed and intact packages, in a fresh, dry and covered environment, protected against heavy rain, frost and direct sunlight.
- Do not expose to sunlight for more than 30 days (the package will deteriorate!).
- After removing the polyethylene protection (around and/or above the pallet) protect the packages from the rain.

TECHNICAL DATA

MIXING WATER	approx. 3 litres per package (2.8-3.2 litres per package)
WORKABILITY TIME	270 min
DENSITY (hardened)	1.800 kg/m ³
RESISTANCE TO COMPRESSION (after 28 days)	8 N/mm ² - M5 (production average value)
REACTION TO FIRE	Class A1
THERMAL CONDUCTIVITY (Tab. EN 1745)	$\lambda = 0,83 \text{ W/mK}$
FRESH MORTAR	
Consistency by flow table (UNI EN 1015-3)	174 mm
Air content (UNI EN 1015-7)	11%
Content of chlorine soluble in water (UNI EN 1015-17)	$\leq 0,1\%$
HARDENED MORTAR	
Adhesion to the support (UNI EN 1015-12)	0,34 N/mm ²
Capillary water absorption coefficient (UNI EN 1015-18)	0,66 kg/ kg/sq.m min ^{0,5}
Water vapour permeability (UNI EN 1015-19)	$\mu 18$
CONSUMPTION	PLASTER approx 16,7 kg/sq.m per cm of thickness
	MORTAR FOR MASONRY varies according to the wall type. See "consumption calculation" on the website www.grascalce.it
PACKAGE	25 KG POLYETHYLENE PACKAGES

HAZARDOUS SUBSTANCES

Asbestos (Italian Ministerial Decree 14/05/96 Art. 4 Annex 4): absent

Water-soluble chromium VI (Italian Ministerial Decree 10/05/04): < 2 ppm

Technical data are mean values got from analysis done on several samples of products.

EXAMPLES OF APPLICATION



Inside a pavilion of the Pero-Rho fair, plastered with MALTA BASTARDA FIBRORINFORZATA.



MALTA BASTARDA FIBRORINFORZATA can be applied by hand or pumped with a suitable pump (Type Step 120 from Imer International).

The indications and warnings listed in this sheet are the result of our best experience, and product performance refers to lab tests performed in standardised conditions. All this information is to be considered purely indicative as real construction site and product application conditions can lead to significantly different results and effects. Therefore, the user must always check, also with preliminary tests, the suitability of the product for the envisaged use, taking full responsibility for its use. GRAS CALCE srl reserves the right to make technical changes without prior notification. Check on GRAS CALCE srl website that the sheet review is the latest in force.