



LW 100



LIGHTENED BASE COAT PLASTER FIBER REINFORCED FOR AUTOCLAVED FOAMED CONCRETE BLOCKS (TYPE YTONG AND GASBETON)
Compliant with UNI EN 998-1

DESCRIPTION

Fiber reinforced plaster at low specific weight made of natural lime, special hydraulic binders and light aggregates for interior base coat plasters on autoclaved foamed concrete blocks (type Ytong and Gasbeton), bricks, etc, with an high and constant quality level, produced with an automated system, to apply by hand or with a plaster sprayer. Omologated by laboratories YTONG and GASBETON.

COMPOSITION

Natural lime, special hydraulic binders, light mineral aggregates, selected calcareous aggregates with grading from 0 to 1,3 mm, a special composition of polypropylene fibers, natural additives tested for the specific use which give to the product a very high adhesion and workability.



FEATURES

An accurate and selected choice of the main material with a perfect grading curve, thanks to the use of our own crush system, produce just adding water a very light mortar, with an high adhesion, plastic and easily workable. To apply on autoclaved foamed concrete blocks (type Ytong and Gasbeton). No cracks, no detachment, transpiring and impact resistant. It is the perfect base for every kind of superficial coating as paints, finishing plasters, etc.

Fibers gives to the fresh mortar an high thixotropy and once hardened, more ductility and resistance to the aggressive agents and to the thermal excursions, improve the plastic shrinkage and the superficial tensions, limiting gaps or micro-cracks, give more resistance to the vibrations, so it is perfect for masonry buildings in autoclaved foamed concrete.

USE

LW 100 F is a base coat plaster to apply on every type of external surface to apply by hand or mechanically as bricks, etc, specific for autoclaved foamed concrete surfaces (type Ytong and Gasbeton).

APPLICATION

- The surface being plastered must be free of dust and dirt. Any traces of oil, grease, wax etc. must be removed in advance
- To mix by hand, in a cement mixer or with a plaster sprayer at low rpm, until when the mixture isn't homogeneous; with a plaster sprayer regulating the flow meter until when the density isn't perfect.
- LW 100 can be applied at different thicknesses we advice you for just one application to don't go higher cm 1÷1,5. With more applications let the product rest for two hours at least. After the application is necessary to sponge the surface to make it uniform with a sponge float and to wet with water or "grate it" to make it perfect to receive the next finish.
- The thickness of the first spraying don't have to be lower than 1 cm to avoid the dehydration of the product and the consequent reduction of the mechanical strengths (burning) with consequent not adhesion of the layers applied later.
- The minimum thickness of the finished product doesn't have to be lower than cm 1,5.
- With high temperatures, with strong wind and low wetness, we advice you to protect from the quick drying.
- Don't apply on frozen surfaces, with frost or possible frost on the next 24 hours.
- Don't apply on gypsum substrates, synthetic coatings, paintings.
- Don't use in very sunny day or with strong wind
- Don't apply until when the substrate hasn't completely dried.
- Don't use on friable and insubstantial surfaces.
- Don't use with driving rain.
- Don't add any other material to the product.
- To apply on reinforced concrete substrates previously treated with the bonding mortar "ANCOMUR".
- To apply on tuff, stones, mixed masonries substrates previously treated with the opened rendering "INTOBETON/R".
- We suggest to apply LW 100 with a temperature between + 5 ° C and + 30 ° C.





• PACKAGING

- Loose in silo (gravity feed).
- Multi-ply paper sacks with protective film of kg 25 on wood pallets of 15,00 ql. (60 sacks).

YIELD

10/11 kg/mq for each cm of thickness.

TECHNICAL SPECIFICATIONS COMPLIANT WITH UNI EN 998-1

Water content of the mix

Grading EN 1015-1

Specific weight EN 1015-10

Plastic shrinkage in cond. Termoigr. Standard

Pot Life

Working Time EN 1015-9

Compressive strength after 28 days EN 1015-11

Flexural strength after 28 days EN 1015-11

Adhesion after 28 days EN 1015-12

Water vapour diffusion resistance factor EN 1015-19

Water absorption coefficient due to capillary action EN 1015-18

Fire reaction EN 998-1

Thermal conductivity coefficient EN 1745 p.A.12

Durability

Toxicity- Regulation CE 1272/08

Classification UNI EN 998-1:2010

Fire resistance compliant with D.M. of 16/02/2007

~25-27%

≤ 1,3 mm

kg/m³ 1000 ± 10%

Absent

2 hours

40 minutes

Class CS II

>1,2 N/mm²

0,5 N/mm² FP:A

μ ≥ 8

Class "WO"

Class "A1"

λ_{10,dry,mat} = 0,35 W/mK

NPD

Danger

LW-CSII-WO/DOP nr. 10

REI 120

CERTIFICATION

Approved by the laboratories YTONG -Test Report PB-VK-170-01

SUMMARY

Interiors and exteriors on autoclaved foamed concrete blocks will be plastered with a premixed lightened fiber-reinforced made of natural lime, special hydraulic binders and light mineral aggregates, polypropylene fibers, type "LW 100" by MALVIN S.r.l., to apply by hand or mechanically and to mix just adding water, with a consumption of 10/11 kg/mq for each cm of thickness, with compressive strength after 28 days category CS II.

The performance characteristics refer to laboratory tests, values depend on the weather conditions and on the methods of implementations. The operator must verify the suitability of the product depending on the use planned.



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