

# INTONACO SABBIA DEL "MUSON" ("MUSON" SAND PLASTER)

## DESCRIPTION

Natural plaster with a lime putty and "Muson" sand base, free of cement, for indoors and outdoors.

## COMPOSITION

"MUSON" SAND PLASTER is a natural product with a lime putty base seasoned for at least 8 months, "Muson" sand with particles under 5 mm, possible gravel and as much clean water as necessary to improve working, completely free of cement, chemical or organic additives. During the work phase, metakaolin must be added, in proportion to approximately 1% of the weight, or rather selected clay fired at temperatures under 900°C, giving the products its hydraulic properties.

## TECHNICAL DATA

Specific weight of the fresh product (EN 1015-6)	1.900-2.000 kg/m <sup>3</sup>
Particle size	≤ 5 mm
Air content of the fresh product (EN 1015-7)	2-3%
Maximum thickness	2 cm per coat
Consumption	19-20 kg/m <sup>2</sup> per cm thick
Specific weight of hardened product at 28 days (EN 1015-10)	1.500-1.600 kg/m <sup>3</sup>
Flexural strength at 28 days (EN 1015-11)	0,5-1,0 N/mm <sup>2</sup>
Compression strength at 28 days (EN 1015-11)	1-2 N/mm <sup>2</sup> (CSI)
Dynamic elastic modulus at 28 days	4.000-5.000 N/mm <sup>2</sup>
Adhesion to support (EN 1015-12)	0,2-0,3 N/mm <sup>2</sup>
Coefficient of resistance to vapour passage (μ) (EN 1015-19)	≤ 10 (value measured)
Water capillary absorption (EN 1015-18)	0,07/ kg/(m <sup>2</sup> ·min <sup>0,5</sup> ) (W2)
Compatibility with the support (EN 1015-21)	0,1-0,2 N/mm <sup>2</sup>
Thermal conductivity (λ <sub>10,dry</sub> ) (EN 1745)	0,82 W/m·k
Reaction to fire (EN 13501-1)	A1
Complies with Standard UNI EN 998-1	GP - CSI - W2

## APPLICATION FIELDS

“MUSON” SAND PLASTER can be used as plaster, by previously applying PLASTER as a rough coat on old and new surfaces in blocks, bricks, thermobricks, wood cement blocks, expanded clay blocks, cellular cement blocks, concrete, reinforced concrete, stone, straw bales, etc.

For renovations, always accurately evaluate the causes of existing deterioration before carrying out the work to avoid the same problem arising again; in particular, you should eliminate or at least reduce rising damp phenomena, the presence of salts or phenomena that could occur on exterior facades due to poor protection from atmospheric agents.

Thanks to its natural characteristics, this product is attentive to health and safeguarding the individual and the environment.

## PREPARATION OF THE SUPPORT

Carefully check the status of the support; it must be clean, free of dust, saline efflorescence, moss, oils, grease, wax, etc. solid, consistent, damp and absorbent.

For very deteriorated, existing plaster finishes, with poor resistance and/or of little historical interest, proceed to totally remove the surface up to the masonry work; for existing plasters and finishes only partly deteriorated and of historical interest proceed to partially remove the surface up to the masonry work; for deteriorated finishes of little historical interest and resistant and difficult to remove plaster, proceed to totally removing the paint and partially removing the plaster over the entire surface, without exposing the masonry work, but using the old plaster as a rough coat for the new application.

Clean the surface with a water jet, without being excessive.

For supports in different, non-homogeneous materials (e.g. joints in concrete/brick), use an alkali resistant mesh reinforcement for plaster.

## APPLICATION METHOD

Apply PLASTER as a rough coat. The product must be made more fluidified by adding clean water and to improve adhesion to the support add approximately 2% in weight of metakaolin. Furthermore, you must cover the entire surface of the support, for at least 0.5 cm thick, to regulate the surface beneath as much as possible and improve adhesion of “MUSON” SAND PLASTER.

“MUSON” SAND PLASTER is applied by hand with a trowel. The product must however be previously mixed in a cement mixer or using a mechanical agitator.

24/36 hours after applying PLASTER as a rough coat, apply “MUSON” SAND PLASTER in a single layer, never exceeding 2 cm; for greater thicknesses, you need to wait between one coat and another, giving sufficient drying time to the previous layer (approximately 24 hours): the time varies based on the temperature and humidity of the environment, if indoors or outdoors and ventilation in the premises; however, before applying the next coat, always ensure the previously applied product is still damp.

Flatten the final layer with a straight edge.

For a rustic finish, work the surface with a plastic, sponge or wooden trowel.

Outdoors, it should be protected with breathable, water-repellent products such as Linseed oil, siloxane and silicate-siloxane based products.

## RECOMMENDATIONS

When using the product, the temperature of the surrounding environment and the support must not go below 5°C and over 30°C.

Do not apply on frozen supports, defrosting supports or supports at risk of frost in the next 24 hours.

A completely even colour cannot be guaranteed as lime based products tend at times to assume slight colour variations, mainly caused by the various drying conditions of the product.

## SUPPLY

### “MUSON” SAND PLASTER

- Loose in 1,000 kg approx. metal containers, with a protective sheath (limited territorial distribution).

### Metakaolin

- 15 kg (approx.) bags
- Customised supply based on the capacity of the cement mixer used.

## STORAGE

Keep far from frost and excess heat; the temperatures should not go below 5°C and over 30°C.

### “MUSON” SAND PLASTER

- It lasts approximately 1 month if protected from the sun and frost.

### Metakaolin

- Protected from humidity, it has no expiry.

The data outlined refer to tests carried out by the Morandi Bortot srl laboratory; in practical applications on building sites, these can change considerably based on the working conditions. The user must however check the product is suitable for its planned use, assuming all responsibility for such use. Our products undergo continuous quality controls on the raw materials and the end product to guarantee constant quality. Our technicians and consultants are available for any information or clarifications you may need, on how to use and work our products. Morandi Bortot srl reserves the right to make changes without prior notification.

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