

MasterEmaco N 275 TIX

Lime and pozzolan-based plaster, cement-free, light hazelnut color, breathable for applications on internal and external walls without the formation of efflorescence

MATERIAL DESCRIPTION

MasterEmaco N 275 TIX is a natural hydraulic lime plaster mortar called “Albazzana”, with a hazelnut-pink color containing inorganic fibers and made with natural siliceous aggregates with a maximum diameter of 2.5 mm. It guarantees a compression strength of 1.8 MPa and is therefore classifiable as a class CS I plaster mortar according to the European standard UNI EN 998/1. MasterEmaco N 275 TIX can be applied both by spraying with continuous cycle plastering machines, by hand, even overhead.



FIELDS OF APPLICATION

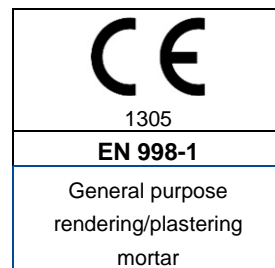
Due to its peculiar characteristics, MasterEmaco N 275 TIX is the ideal mortar for the realization of internal and external plasters both for the recovery of existing masonry and for new masonry constructions

FEATURES AND BENEFITS

The peculiar characteristics of MasterEmaco N 275 TIX are:

- material with CE mark: the product, the production process and the quality control comply with the requirements indicated by UNI EN 998/1;
- complete absence of cement: the absolute absence of cement makes MasterEmaco N 275 TIX a product that is fully compatible with the masonry that you want to consolidate;
- MasterEmaco N 275 TIX is in fact characterized by a low value of electrical conductivity, does not bring salts containing sulphates, chlorides, nitrates, potassium and sodium and does not contribute to the phenomena of chemical-physical degradation linked to the formation and crystallization of the salts themselves;
- high permeability to water vapor: important to allow normal transpiration of the masonry;
- simplicity of application;
- high adhesion even in overhead applications, minimizing waste (ZERO GRAVITY).
- low capillary absorption: important so that water from the outside does not enter the masonry;
- no reaction to fire: the material is not combustible and does not produce fumes (Euroclass A1).

In compliance with the European Regulation (EU No 305/2011 and EU No. 574/2014) the product is provided with the CE marking according to UNI EN 998-1 and the relative DoP (Declaration of Performance).



CONSUMPTION

The consumption is about 15 kg/m² with a coat that is 1 cm thick.

PACKAGING

MasterEmaco N 275 TIX is available in 25 kg bags.

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STORAGE

Store the product in a dry and sheltered place at a temperature anywhere between 5 and +35°C.

Technical Information		
Granulometry		Max 2,5 mm
Chloride content EN 1015-17		<0.05%
Colour of mix		Light hazelnut
Mixing ratio		4.5-5.0 l for bag (18-20%)
Consistency of mix		Thixotropic
Temperature of application		From 5°C to 35°C
Packaging		25 kg bag.
Consumption		15 kg/m ² for 1 cm
Workability time (at 20°C)		60 minutes
Minimum thickness		5 mm
Maximum thickness in single laye		50 mm
Essential characteristic in accordance to UNI EN 998-1 with a dosage of water of 19%		Performances
Vapor diffusion coefficient	UNI EN 1015/19	$\mu = 5$
Capillary absorption and water penetration of the hardened mortar	UNI EN 1015-18	W: 1,61 kg/m ² min ^{0,5} Cr: 25,3 kg/m ²
Fire reaction	EN 13501	Euroclass A1
Compressive strength	UNI EN 1015/110.	2,2 MPa
Thermal conductivity	UNI EN 1745	0.47 W/mK
Flexural strength	UNI EN 1015/11	1,1 MPa
Adhesion	UNI EN 1015/1	Tile: 0,6 MPa Cconcrete 0,6 MPa

APPLICATION SHEET

PREPARING THE SUBSTRATE

The degraded plaster must be removed by demolition with electric or compressed air hammers or by simple chiselling.

Furthermore, any residual efflorescence and any other substance that could compromise good adhesion to the substrate must be eliminated. Before applying the mortar, the substrate must be cleaned and saturated with low pressure water. Saturation is necessary to prevent the substrate from removing water from the mortar; an inaccurate saturation could cause loss of adhesion and cracking of the filler mortar.

APPLICATION TEMPERATURE

MasterEmaco N 275 TIX can be applied when the ambient temperature is between +5°C and +35°C. When the

temperature is between 5 ÷ 10°C mechanical resistances develop more slowly. We therefore recommend storing the bags in a heated environment and applying the mortar in the mid-hours of the morning.

PREPARING THE MIXTURE

MasterEmaco N 275 TIX is mixed with clean water only at a rate of 4.5 ÷ 5 liters per 25 kg bag (equal to 18 ÷ 20% of the weight of the product). The mixing must be carried out in a glass concrete mixer or in the plaster sprayer mixer and continue until a plastic, homogeneous and lump-free mixture is obtained. Hand mixing is not recommended

APPLICATION

MasterEmaco N 275 TIX can be applied by spraying, with a continuous cycle plastering machine or by hand. To obtain maximum adhesion between masonry and plaster, it is advisable to always perform a first layer of

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rough coat with a semi-fluid consistency, on which the plaster will be applied as soon as it hardens.



MasterEmaco N 215 FC

MasterEmaco N 275 TIX

MasterEmaco N 275 TIX (as rough coat)

WARNING

Do not apply on gypsum substrates, on painted substrates, on crumbly substrates, on mixed substrates

without adequate prior preparation (mesh, rough coat, etc.).

SAFETY INSTRUCTION

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

OTHER SERVICES

For price analysis, specifications, supplementary brochures, references, reports and technical assistance, visit the website www.master-builders-solutions.com/it-it or contact infomac@mbcc-group.com.

Scan the QR code to visit the product page and download the latest version of this datasheet.



Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

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This version supersedes all the previous ones.