



We create chemistry

MasterEmaco® N 275 TIX

(Formerly known as Albaria® Intonaco)

Natural Hydraulic Lime Based Mortar Designed For Historical Masonry Buildings

Description of Product

MasterEmaco® N 275 TIX is natural hydraulic lime based, cement-free, ready-pack mortar for restoration of historic buildings.

Fields of Application

- Plastering the masonry walls in indoor and outdoor,
- Repair of lime based plasters,
- Repair of masonry and natural stone joints,
- Refilling of masonry walls.

Features and Benefits

- Cement free
- Shrinkage compensated
- Ready-pack
- It doesn't react with original building materials neither physically, nor chemically
- Does not affect the vapour and moisture permeability of the existing building
- Water-born salts (alkalis, sulphates, chlorides or nitrates), are limited

Application Procedure

Preparation of Substrate

The surfaces should be free of frost, curing membranes, waterproofing treatments, oil stains, laitance, friable material and dust. The surfaces should be wetted before application. If there is a water leakage it must be drained or properly plugged.

Mixing

Add enough water into a clean mixing bucket by using a proper water gauge. Add the powder into the bucket slowly and continuously. Mix the fresh mortar with a proper electrical mixer (300-600 rpm) for 4 minutes until having a homogenous consistency. Let the mortar have rest for 4 minutes and re-mix for 30 seconds.

Mixing Ratio

MasterEmaco® N 275 TIX	1 kg Powder	20 kg Bag
Water Quantity	< 0.19 liter	< 3.80 liter
Mixed Density	~2.03 kg/liter	

Technical Data

Product Chemistry	Includes Natural Hydraulic Lime and Natural Fillers.	WK
Compressive Strength (20°C) TS EN 196 7 days	>15 kg/cm ²	
Application Temperature	+5°C - +35°C	
Pot Life (20°C)	30 minutes	

Typical values are obtained from the test results of 4x4x16 mortar prism in 23°C and 50% relative humidity conditions. High temperatures shortens the curing and working time, lower temperatures extends the durations.



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Application Method

MasterEmaco® N 275 TIX should be applied to the prepared surface by using a steel trowel. Application thickness should be between 1-2 cm. After the mortar finishes its first setting, some water should be sprayed onto the mortar and the surface should be finished with using steel or wooden trowel. Open areas should be protected from the rain, wind, etc. aggressive whether conditions during the first 24-48 hours after finishing repair by using wet clothes, curing membranes etc.

Coverage

17 kg/m² for obtaining 10 mm thick layer.

Watch Points

- During the application the substrate and environment temperature should be between 5°C-35°C.
- For full curing of material, both the substrate and environment temperature shouldn't be under allowed application temperature.
- Open areas should be protected from the rain, wind, etc. aggressive whether conditions during the first 24-48 hours after finishing application.

Cleaning of Tools

After the application all tools should be cleaned with water. **MasterEmaco® N 275 TIX** can be cleaned with only mechanical abrasion after hardening.

Packaging

20 kg bag

Storage

Store in original container in cool (+5°C-+25°C) and dry indoor conditions.

Shelf Life

12 months under proper storage conditions after production date.

Health and Safety Precautions

It is dangerous to get close to the store areas with fire. The store must be well ventilated. Work clothes, protective gloves, glasses and mask defined in Labour Laws must be used during the application. Avoid from material to contact with skin and eyes. In case of contacting wash your skin with water and go to doctor immediately.

Don't bring any food and drink to the application area. Store the material away from the children. For further information Material Safety Data Sheets should be read.

Disclaimer

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **BASF Türk Kimya Sanayi ve Tic. Ltd. Şti.** is only responsible for the quality of the product. **BASF Türk Kimya Sanayi ve Tic. Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones (01/2015).