

DELLITICO ETOINIO AZBEZTOKONIAMA PRE-NIXED LINE PRASTER FINISH EURO	LIME PLASTER FINISH	
	Lime based finish coat plaster	en 998-1 CE
Description	A lime based finishing plaster for interior and exterior surfaces. It is enhanced with microfibers other additives, which confer to high plasticity, strong adhesion to building surfaces and good v stability. Ideal for plastering stone and earth/straw surfaces as well as surfaces to be hagiograp	
	 LIME PLASTER FINISH is suitable for application on substrates such: Lime Plaster Undercoat. Thermocem Lightweight Plaster or Thermocem T2 Thermal Insulating Plaster. Monocote. Conventional cement plasters. 	
Technical Specifications	Density	: ~1.10 kg/L
	Density of mixture	: ~1.70 kg/L
	Mixing ratio (water/LIME PLASTER FINISH)	: ~7- 8 L / 25kg
	Substrate temperature	: +5°C min. / +35°C max.
	Ambient temperature	: +5°C min. / +35°C max.
	Reaction to fire	: Class A1
	Compressive strength	: CSI
	Flexural strength	: ≥ 0,5 N/mm²
	Adhesion strength	: 0,1 N/mm²-FP:B
	Water absorption	: W0
	Water vapour permeability coefficient	: μ10
	Thermal conductivity (λ_{dry})	: ≤ 0,44 W/mK (tab. mean value <i>, P=50%</i>)
	Pot life	: at least 50 minutes at 23°C
	Consumption:	
	3.3 kg/m ² of LIME PLASTER FINISH, for a layer thickness of 3mm	
Instructions for Use	SURFACE PREPARATION All substrates should be clean, free of dust, oil, residues of other building materials, etc. before applying the plaster. Cracks or dents on the substrate must be suitably filled and allowed to set. The substrate must be sprayed with water, before applying LIME PLASTER FINISH, in order to prevent rapid absorption of the mixing water. In such case, the surface film should be allowed to dry, so as not to inhibit adhesion of the mixture.	

MIXING

All equipment and containers should be clean, free of dust, residues of previous mixtures and/or other building materials, etc. so as to not adversely affect the setting time and the mechanical properties of the product.

Depending on the desired consistency, mix 7-8L of clean water with every 25kg (1 bag) of LIME PLASTER FINISH.



Mix using a low speed electric mixer until a homogeneous, free of lumps mixture is achieved and the right consistency is obtained.

The pot life of the mixture is at least 50 minutes, depending on weather conditions. In this case, stir periodically without adding additional water. In case the mixture has started to set before it's used, then dispose immediately without using it. In any case, do not add additional water for remixing and/or for improving its workability.

APPLICATION CONDITIONS

Use only at temperatures between +5°C and +35°C. During winter or periods of low temperatures (5-10°C), it is advisable that warm water (approx. 30°C), is used for the mixing and if possible, the application to be performed during noon time. On the contrary, use cool water (approx. 20°C), for the mixing during summer and generally at ambient temperatures exceeding or expected to exceed 35°C.

APPLICATION

If the substrate is the Lime Plaster Undercoat, allow it to cure for at least 60 days before plastering with Lime Plaster Finish. If the substrate is any cement plaster, allow it to cure for at least 28 days before plastering with Lime Plaster Finish.

The plaster is applied in 2 layers of 1-2mm each, using a rectangular steel trowel. Apply the second layer only after the first one has set.

The initial setting time is 70-80 minutes, but the surface "film" remains workable for a few days, if sprayed with water. Then rub with a wooden or plastic float. After 24 hours the surface can be made smooth using a spongy or a wooden/plastic float or with a steel trowel. Follow the same procedure the next day if required, for better results or in case imperfections and/or capillary cracks occur.

It is important that the final surface is sprayed with water for 5 - 6 weeks after its application (see *note 1*).

DECORATION

The crystallization procedure of the plaster may take several months. Especially for the under layers which come in direct contact with the substrate, crystallization may take up to several years. In the contrary, outer layers which react with the atmospheric air or even during period with high temperatures, crystallization is accelerated. Premature painting of the surface with non-permeable paints may result of slowing down and/or inhabitation of this procedure.

So, for practical purposes, **LIME PLASTER FINISH** should remain unpainted for several months, depending on weather conditions.

IMPORTANT NOTES

- The lime used for the production of the plaster is already slaked so no further slaking is required.
- The product presents high sensitivity to weather conditions during its application. Hot weather
 or exposure to direct sunlight, may result to premature loss of moisture and/or cracks, so is
 advisable that special care is taken as to prevent adverse effects.
- The plaster remains relatively workable for a few days after its application, if sprayed with water. Therefore, working of the final surface is applicable during this period of time.
- It is important that the plaster is sprayed with water systematically for 5-6 weeks after its application (see note 1).

CLEANING OF EQUIPMENT

Clean all tools and mixing equipment thoroughly with plenty of water after completion of work, and while the plaster hasn't set. Use mechanical methods to remove hardened material.

REMARKS / LIMITATIONS

- Use only fresh, clean water for both mixing and cleaning.
- Avoid using material, which was stored in open containers for a long period of time, as it may contain lumps or be contaminated.
- Never add water or new product to the mixture, which has started to set, in order to improve its workability.
- Do not add cement, gypsum, sand or any other materials to the supplied product, as this will negatively affect the end results of the product.
- Avoid using the product under extreme weather conditions, such as direct sunlight and strong winds.



PACKAGING

25kg multiwall paper bags (one layer of which is made of PE-HDPE)

STORAGE / SHELF LIFE

Store under dry conditions and away from direct sunlight, in a sheltered, free from water and moisture area. Store in closed bags preferably in the original packaging, onto a pallet or generally without direct contact with the floor.

The product has a shelf life of up to 6 months from production date, when stored properly in the original, unopened bag.

Health and Safety Measures

- Causes skin irritation.
- Causes serious eye irritation.
- Harmful if swallowed.
- May cause respiratory irritation.
- Keep out of reach of children.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash hands and face thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Use personal protective equipment as required.
- Please refer to Safety Data Sheet for more information and advices regarding the safe handling, storage, use and disposal of the material.

Note 1: Calcium oxide (CaO) is the resulting product of subjecting calcium carbonate (CaCO₃) to high temperatures (900°C). The hydration procedure of calcium oxide leads to creation of calcium hydroxide (Ca(OH)₂), dry or moist. For the production of Lime Plaster Finish, dry calcium hydroxide (\leq 1% moisture) is used.

Mixing Lime Plaster with water initiates the carbonation procedure, forming again crystals of calcium carbonate. This procedure is very slow and may take up to several months, due to low presence of carbon dioxide (CO_2) in the atmospheric air.

By systematically spraying the surface of the plaster with water, results of disruption of the already formed crystals and their recrystallization to a new, of higher strength crystal structure which improves the mechanical properties of the plaster.

Note 2: All Technical Data provided on section "Technical Specifications" are based on laboratory trials and tests, under conditions which may significantly differ from the ambient application conditions. Therefore, the actual technical characteristics may vary due to conditions or circumstances beyond company's control.

Note 3: The information provided by our Technical Data Sheets or given by our employees, agents or distributors concerning the use of our products, is based upon extensive research and experience and are provided in good faith in order to help you.

We guarantee the consistent high quality of our products; however, as we have no control over site conditions of the executions of work, we cannot accept any liability for any loss or damage, which may arise as a result thereof.

Note 4: All lime based products, must be stored in dry sheltered places, on wooden pallets. Even under these circumstances, the products are influenced by the atmospheric moisture after a period of time. Since this period is not defined or standard, we strongly advise our customers not to use hardened products or if, generally, its quality due to storage is uncertain.



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