

TECHNICAL DATA SHEET

----- **Décor Division** -----

Marmorino Naturale

sez. 1.0 Technical characteristic

MARMORINO NATURALE by OIKOS is a decorative, vapour permeable, coloured lime putty coating for interior and exterior. The product allows to achieve easily and quickly to beautiful decorative effects known as “marmorino”. The thickness of MARMORINO NATURALE by OIKOS allow to decorate and to hide small imperfections of the wall at once, thus saving on expensive screedings. The product creates a stable link with the surface, preserving the vapour permeability of the whole wall structure. The product also impedes the development of moulds and bacterial colonies.

MARMORINO NATURALE can be either matt or gloss, in this second case when coated and polished with PURE LIME FINISH by OIKOS. MARMORINO NATURALE by OIKOS has a low odour level, is non inflammable and is friendly to both humans and the environment.

sez. 2.0 Ideal Use

Interior and exterior surfaces of prestigious / historically important buildings.

sez. 3.0 Surface preparation

The surface must be dry and mature, new plasters should have been left maturing at least 30 days to allow a complete carbonation. Clean the surfaces and remove detaching and flaking parts. In case of refurbishment, all water leaks and humid areas must be repaired and eliminated. On flaking surfaces it is advisable to apply first SEALER FOR LIME CYCLES by OIKOS. On new walls or on well painted walls it is advisable to apply first PRIMER FOR LIME CYCLES by OIKOS.

sez. 4.0 Application method

Apply two coats of the product by stainless steel trowel by Oikos, waiting 7-8 hours between coats. Screed evenly the whole surface.

sez. 5.0 Finish

The gloss “marmorino” effect is obtained by applying PURE LIME FINISH for MARMORINO by OIKOS. The product is applied in a thin layer immediately polished by stainless steel trowel. When applied in exterior, over PURE LIME FINISH for MARMORINO by OIKOS it is advisable to apply PROTECTIVE WAX by OIKOS. The wax will make the surface water repellent and more resistant to exterior conditions. The application shall be conducted 7 days after application of the finish.

sez. 6.0 Technical Characteristic: application

Dilution	ready to use
Yield	2 Kg/m ² in two coats, according to surface absorbency
Application tools	stainless steel trowel by OIKOS
Primers	SEALER FOR LIME CYCLES by OIKOS. PRIMER FOR LIME CYCLES by OIKOS.
Protection	PROTECTIVE WAX by OIKOS
Application temperature	+5°C ÷ +36°C (when relative humidity not over 80%)
Drying time: tack free	2.50 h (at 20°C and relative humidity 75%)
Drying time: fully cured	24 h (at 20°C and relative humidity 75%)
Tools cleaning	Water
Important	Protect the surface from the rain at least during the first 24-48 hours from the application.

sez. 7.0 Technical Characteristic: the product

Composition	Lime putty, selected marble granules, fillers, titanium dioxide, inorganic pigments based on iron oxydes and coloured earth.
Specific weight	1.5 kg/l +/-3%

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Texture	max = 0.8 mm
pH	pH: 12.5-13.5
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Water vapour permeability (Sd)	0.24 m (max allowed 2 m, DIN 52 615) for the cycle NATURAL MARMORINO, PURE LIME FINISH for MARMORINO:
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/a; VOC: 3g/l (max); Limit Phase I (from 01/01/2007): 75g/lt, Limit Phase II (from 01/01/ 2010): 30g/lt
Available colours	Colours: White + colour chart DCS Decor Color System by OIKOS
Packaging	Kg 1 – 5 – 25

sez 8.0 Toxicological data

The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is considered to be a non dangerous substance if used in the technically correct manner. Normal cautionary measures for the handling of water based paints are advised. No special arrangements are required for the storage, movement and transportation of the product; the containers, residue, eventual spilt material should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements

sez. 9.0 Specifications

The surface must be dry and mature, new plasters should have been left maturing at least 30 days to allow a complete carbonation. Clean the surfaces and remove detaching and flaking parts. In case of refurbishment, water leaks and humid areas must be repaired and eliminated. On flaking surfaces it is advisable to apply first SEALER FOR LIME CYCLES by OIKOS. On new walls or on well painted walls it is advisable to apply first PRIMER FOR LIME CYCLES by OIKOS. Apply two coats of NATURAL MARMORINO by stainless steel trowel by Oikos, waiting 7-8 hours between coats. Screed evenly the whole surface. The gloss “marmorino” effect is obtained by applying PURE LIME FINISH for MARMORINO by OIKOS. The product is applied in a thin layer immediately polished by stainless steel trowel. When applied in exterior, over PURE LIME FINISH for MARMORINO by OIKOS it is advisable to apply PROTECTIVE WAX by OIKOS. The wax will make the surface water repellent and more resistant to exterior conditions. The application shall be conducted 7 days after application of the finish. All must be carried out in accordance with the norms of application, at a cost of m². inclusive of materials and labour, except scaffolding.

Note

The company Oikos S.r.l guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct. Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put.