



TECHNICAL DATA SHEET n. EXT/rc/03

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MINERAL SKIM COAT AND FILLER

Technical qualities

LIME SCREED by OIKOS is a screed formulated with lime putty. It is non shrinking, filling, smoothing and easily to apply. Adhesion is very good on exterior surfaces. The product creates a stable link with the surface, maintaining the high level of vapour permeability of the surface. LIME SCREED IS available in three texture grades: LARGE, MEDIUM and FINE. The products high level of alkalinity means that it is able to prevent the development of mould and bacteria. It has a low odour level, is non inflammable and is friendly to both humans and the environment.

Ideal use

Exterior surfaces of prestigious / historically important buildings.

Surface preparation

The surface must be dry and mature, new plasters should be left to mature at least 30 days to allow complete carbonation of the support. Clean the surfaces and remove loose and flaking materials. In case of restoration works, water infiltrations and leakages must be repaired. On powdering surfaces it is advisable to first apply SEALER FOR LIME CYCLES by OIKOS.

Application method

Using a stainless steel trowel apply one or two coats of LIME SCREED by OIKOS according to the desired thickness. Wait 24 hours before applying finish products.

Protect the surface from the rain during the first 24-48 hours from the application.

Finish

The ideal finish products to be used are LIME PAINT ADIGE, VERONA, NATURAL MARMORINO and TRADITIONAL PLASTER.

Safety information

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 classified as hazardous pursuant to the provisions set forth in the Regulations (CE) 1272/2008 (CLP) and subsequent amendments and supplements. For further information see the product Safety Data Sheet. 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

The product

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| Composition | Lime putty, fillers, marble granules of various diameter, titanium dioxide and inorganic pigments |
| Specific weight | 1,7 kg/l ±3% |
| Texture | <ul style="list-style-type: none"> • LARGE = max 0.8 mm • MEDIUM = max 0.6 mm • FINE = max 0.3 mm |
| pH | 12.5-13.5 |
| Storage temperature | +2°C ÷ +36°C. Keep from freezing |
| Water vapour permeability(Sd) | MEDIUM: 0.23 m (max allowed 2 m DIN 52 615) |
| Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42 CE | <ul style="list-style-type: none"> • Classification A/c • VOC: 30g/l (max) • Phase I Limit (from 1.1.2007): 75g/l • Phase II Limit (from 1.1.2010): 40g/l |
| Colours | White |
| Packaging | Kg 20 |

The application

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|-------------------------|---|
| Dilution | Ready to use |
| Yield | <ul style="list-style-type: none"> • FINE 1.1Kg/m² in one coat, average thickness 0.3mm • MEDIUM 1.5 Kg/m² in one coat, average thickness 0.6mm • LARGE 1.8Kg/m² in one coat, average thickness 0.8mm |
| Application tools | Stainless steel trowel by OIKOS |
| Primer | SEALER FOR LIME CYCLES by OIKOS |
| Application temperature | +5°C ÷ +36°C (with relative humidity not exceeding 80%) |
| Drying time touch dry | 1.3-2 h (temperature = 20°C with relative humidity at 75%) |
| Total drying time | 24 h (temperature = 20°C with relative humidity at 75%) |
| Time for painting over | 24 h (temperature = 20°C with relative humidity at 75%) |
| Tools cleaning | Water |
| Warning | Protect the surface from the rain during the first 24-48 hours from the application |

Specifications

The surface must be dry and mature, new plasters should be left to mature for at least 30 days to allow complete carbonation of the support. On powdering surfaces it is advisable to first apply SEALER FOR LIME CYCLES by OIKOS. On new walls or on already-painted walls it is advisable to first apply PRIMER FOR LIME CYCLES by OIKOS. Using a stainless steel trowel apply one or two co-

ats of LIME SCREED by OIKOS according to the desired thickness. Wait 24 hours before applying finish products. Protect the surface from the rain during the first 24-48 hours from the application. All must be carried out in accordance with the norms of application, at a cost of m². inclusive of materials and labour. Scaffolding not included.

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.

