

Technical qualities

CEMENTO MATERICO by Oikos is a lime based coating able to create a textured effect with a thickness of just a few millimetres. Its even paste, created using sand, selected marble grains and slaked lime putty, makes it easy to apply. Using the indicated technique, it is possible to realise a variety decorative, concrete effects. Thanks the products composition, which has been further reinforced in order to ensure a whole and compact look over time, CEMENTO MATERICO guarantees high impact resistance to accidental shocks (category >IR5).

The lime putty of which it is made is a natural product which offers a level of well-being rendering wall surfaces more hygienic. Furthermore, the material's high vapour permeability prevents the development of mould and bacteria. The product's particular decorative effect, given by the specific opacity and range of available colours, combined with its reduced weight offers a unique solution to enhance modern environments in an original way.

Application areas

Interior surfaces.

Surface preparation

Surfaces must be thoroughly dry and fully matured. New plaster must have matured for at least 30 days to allow the full carbonatation of the substrate. Clean the surface to be coated, removing any loose or flaking material. On old or powdering surfaces, it is recommended to apply a coat of the sealer NEOFIX by Oikos. On all other types of surface, apply a coat of IL PRIMER by Oikos to even the level of surface absorption.

Application method

EFFETTO CEMENTO CASSERATO: (QUARTER DECK CEMENT EFFECT) : screed the walls with CEMENTO MATERICO without leaving too many imperfections. When the product has dried, using masking tape, mark out a band approximately 10-13 cm wide. Using a trowel, apply CEMENTO MATERICO along the entire band, then immediately proceed to work over the surface using the tool Attrezzo Legnato (art. 109) in order to create wood-like veins. As soon as the product starts to dry, smooth the surface using the flat side of the trowel. When completely dry, remove the tape and proceed to work on the next band. The application can also be made simultaneously on alternate bands.

EFFETTO CEMENTO INDUSTRIALE (INDUSTRIAL CEMENT EFFECT): screed the walls with CEMENTO MATERICO without leaving too many imperfections. Once dry, proceed with a further coat of the product to finely screed the surface. When the product starts to dry, repeatedly smooth over the surface with the flat side of the trowel.

The product

Composition	Sand, selected marble grains, slaked lime putty
Specific weight	1.67 kg/l +/- 3% (white)
Granulometry	MAX= 0.8mm
pH	12.5 ÷ 13.5
Viscosity	paste
Storage temperature	+2°C ÷ +36°C. (Keep from freezing)
Water absorption	Class W2 (Medium Permeability) w = 0,451 kg/(m ² h0,5) (EN 1062-3:2008)
Permeability to water vapour	Class V1 (High Permeability) Sd=0,0157 m (EN ISO 7783-2:2012)
Measurement of bond strength by pull-off	f _h = 0,5 MPA (min. f _h > 0,3 MPA) (EN 1542:2000)
Durability	f _h = 0,5 MPA (min. f _h > 0,3 MPA) (EN 13687-3:2003)
Thermal Conductivity	λ _{10,dry} = 1,21 W/mK (P=90%) (EN 1745:2005)
Reaction to fire	EUROCLASS F (EN 13501:2009)
CE Labelling	Conforms (EN 15824:2009)
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:	classification: A1; VOC: 8g/l (max); Limit Phase II (from 1.1.2010): 200 g/l
Emissions class	Class A+ (Decree of the Official French Gazette dated 19th April 2011)
Colours	white + shades from the colour chart
Packaging:	Kg 5 – 20

EFFETTO CEMENTO STRAPPATO (TORN CEMENT EFFECT): screed the wall with CEMENTO MATERICO without leaving too many imperfections. Once dry, proceed with a further coat of the product to finely screed the surface. When the product starts to dry, smooth over the surface with the flat side of the trowel. Immediately dab the surface by using the flat side of a clean stainless steel trowel in order to lift some parts of the surface. Once completed and the product starts to mature, smooth over the surface again with the trowel.

EFFETTO SPAZZOLATO (BRUSHED EFFECT): screed the wall with CEMENTO MATERICO without leaving too many imperfections. Once dry, apply another coat of the product following the direction of the decorative effect you want to obtain. Immediately pass over the surface with the tool Spatola Dentata (art.A01) following the direction chosen for the pattern. The last pass made with the Spatola Dentata should be made in a single direction. Once the product has started to dry, pass over the surface lightly with a paint brush to eliminate any residue on the surface.

EFFETTO GRAFFIATO (SCRATCHED EFFECT): screed the wall with CEMENTO MATERICO without leaving too many imperfections. Once dry apply another coat of the product following the direction of the decorative effect you want to obtain. Immediately pass over the surface repeatedly using the tool Tampone Millerighe (art. 133) following the direction chosen for the scratch effect to be created. The last passage of the Tampone Millerighe over the surface should be made in a single direction. Once the product has

started to dry off, lightly smooth over the surface using a stainless steel trowel.

Finish

In order to ensure a greater level of protection and render the surface more waterproof, it is recommended to apply the product PROTETTIVO PER STUCCO E MARMORINO by Oikos after approximately 7 days.

Safety information

The product contains no heavy metals such as lead or chrome. It contains no toxic solvents, aromatics or chlorides. No hazardous polymerisations have been verified. The product is classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments. For more information refer to the Safety Data Sheet. For storage and handling there are no special arrangements, the containers, residues and any spills are collected using absorbent inert materials such as sand, earth, etc. and are disposed of in accordance with national and regional current regulations. Transport must take place in accordance with international agreements

Oikos Srl guarantees that the information contained in this technical data sheet is correct to the best of its technical and scientific knowledge. Despite the above, Oikos takes no responsibility for the results obtained through the use of its product in that the manners of application are beyond its control and/or verification. Therefore, we recommend determining the suitability of each product for its use.

Application

Dilution	Ready to use
Yield	2 Kg/m ² approx
Application tools	Inox steel trowel art. 113, Tampone Millerighe art. 133, Attrezzo Legnato art. 109, Spatola Dentata art. A01
Fixatives	IL PRIMER
Protection	PROTETTIVO PER STUCCO E MARMORINO
Application temperature	+10°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time until touch dry	2-4 hours (temperature = 20°C with relative humidity at 75%)
Drying time until washable	30 days (temperature = 20°C with relative humidity at 75%)
Total drying time	20 ÷ 25 days (temperature = 20°C with relative humidity at 75%)
Time until possible to paint over	24 h (temperature = 20°C with relative humidity at 75%)
Tools cleaning	water
Warning	In the event that the product is tinted with the tinting system it should be left to mature for 24-48 hours before application. In the event that the product appears to be dense it is sufficient to mix it with a mixer to get the required consistency.