

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. Formaldehyde-free. Product certified in class "A+" under emissions classifications (Decree of the Official French Gazzette dated 19th April 2011).



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 carbonation 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.

How to apply

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.

Application

Dilution	Ready to use
Yield	2 Kg/mq approx
Application tools	Inox steel trowel art. 113, Tampone Millerighe art. 133, Attrezzo Legnato art. 109, Spatola Dentata art. A01
Fixative	Il Primer
Protection	Protettivo per stucco e marmorino
Application temperature	+10°C ÷ +36°C (with relative humidity not exceeding 80%)
Tack free time	2 ÷ 4 h (temperature = 20°C with relative humidity at 75%)
Total drying time	20 ÷ 25 days (temperature = 20°C with relative humidity at 75%)
Sovraverniciabilità	24 h (temperature = 20°C with relative humidity at 75%)
Total drying time	20 ÷ 25 days (temperature = 20°C with relative humidity at 75%)
Tools cleaning	Water

Product

Composition	Sand, selected marble grains, slaked lime putty
Specific weight	1.67 kg/l +/- 3% (white)
Granulometria	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 h ^{0,5}) (EN 1062-3:2008)
Permeabilità al vapore acqueo	Class V1 (High Permeability) Sd=0,0157 m (EN ISO 7783-2:2012)
Adesione per trazione diretta	f _h = 0,5 MPA (min. f _h > 0,3 MPA) (EN 1542:2000)
Durabilità	f _h = 0,5 MPA (min. f _h > 0,3 MPA) (EN 13687-3:2003)
Conducibilità Termica	λ _{10,dry} = 1,21 W/mK (P=90%) (EN 1745:2005)
Reaction to fire	Euroclass F (EN 13501:2009)
Marcatura CE	Conforms (EN 15824:2009)
Resistenza all'urto	Class >IR5 (UNI EN ISO 6272-2:2006)
Limite di emissione di Composti Organici Volatili (VOC), secondo Direttiva 2004/42/CE	Classification: A/I; VOC: 8g/l (max); Limit Phase II (from 1.1.2010): 200 g/l
Emissions class	Class A+ (Decree of the Official French Gazzette dated 19th April 2011)
Colours	White + shades from the colour chart
Packaging	Kg 5 – 20

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.

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.

Le finiture

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 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.

Specifications

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 primer IL PRIMER by Oikos. Make the decorative effect by applying a lime based coating with impact resistance Class >IR5, in Class A+ under emissions classifications such as CEMENTO MATERICO. 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 Spa 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.