

TECHNICAL DATA SHEET

MARMORA ROMANA

Technical Qualities

MARMORA ROMANA by Oikos is a decorative coating for interiors that has been formulated using high quality mineral and marble aggregates and the latest generation of acrylic resins making the product vapour permeable and giving it an excellent level of resistance and washability.

The versatility of the product and the ease of its application make it an extremely classy finish perfect for creating unique and authentic effects.

MARMORA ROMANA, only available in white, gives an intense feeling of purity and prestige that finds however, its perfect use in free minded and imaginative design. Creativity and light on the wall for a unique interpretation of an antique style brought into the future in this innovative product.

Ideal Use

Decoration of interior walls.

Surface Preparation

New surfaces should be thoroughly dry and mature.

For powdering surfaces or surfaces that are not very compact with old coats of paint, proceed to clean and scrape the surface removing all loose and crumbling material. Apply one coat of CRILUX or NEOFIX by Oikos.

Following this, apply one or two coats, according to requirements, of FONDO MURALES by Oikos to obtain a white, even surface. Wait at least 6 hours before applying the finish product.

Application Method

Apply the product, following the specific indications for each individual effect. Varying the thickness of the product applied, it is possible to achieve effects of differing intensity. Greater thicknesses cause minute fissures in the surface making the decoration even more realistic and antique.

Marmora Armonia: apply a coat of MARMORA ROMANA, using an inox steel trowel. Wait approximately 20 minutes to allow the product to partially dry then pass back over the wall with a clean trowel in an uneven manner to slightly roughen the surface.

Marmora Filante: apply by inox steel trowel, a slightly thicker than normal coat of MARMORA ROMANA, Immediately drag the Tampon by Oikos (art.102) over the surface to create horizontal and vertical lines. Every now and again, eliminate the accumulations of product that build up on the tampon.

Marmora Lunare: apply MARMORA ROMANA by inox steel trowel in random patches of varying thicknesses over the whole surface. Immediately dab over the entire surface using the Marine Sponge (art.108); a surface will be created that is roughened up all over and that has uneven quantities of product distributed over the surface. Wait approximately 20 minutes to allow the product to partially dry and then squash the roughened up surface by applying slight pressure over it with the Imperium Glove (art.115).

Marmora Marina: apply by inox steel trowel, a slightly thicker than normal and uneven coat of

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MARMORA ROMANA, Wait approximately 20 minutes to allow the product to partially dry and then brush over the surface with the tip of a clean, dry, paint brush (a long bristled brush is recommended).

Marmora Materia: apply by inox steel trowel, a slightly thicker than normal and uneven coat of MARMORA ROMANA. Immediately work over the product with a cloth roller (art.117) to obtain the decoration. Wait approximately 20 minutes to allow the product to partially dry and then dab the roughened up areas of the surface to flatten them using the Imperium Glove (art.115).

Marmora Arcadia: apply by inox steel trowel, a coat of MARMORA ROMANA. Immediately create circles over the whole surface by twisting the Bristle Pad (art.135); we recommend that the circular designs over the surface should be accentuated by repeating each one with Tool for Cor du Roy effect (art.133). The circles created should fill the whole surface. Wait approximately 20 minutes until the product is partially dry and then pass over each circle again with the narrow part of the trowel turning it to follow the form of each circle. Parts that have been missed can be touched up with the same tool. Following this dab the crests on the surface flattening the using the Imperium Glove (art.115).

Technical Characteristics: Application

Dilution: ready to use

Yield:

- Armonia: 1,7 Kg/m² according to the surface and the thickness applied
- Filante: 1,7 Kg/m² according to the surface and the thickness applied
- Lunare: 2,8 Kg/m² according to the surface and the thickness applied
- Marina: 1,1 Kg/m² according to the surface and the thickness applied
- Materia: 2,5 Kg/m² according to the surface and the thickness applied
- Arcadia: 1,5 Kg/m² according to the surface and the thickness applied

Application tools: Inox Steel Trowel, Tampon, Imperium Glove, Marine sponge, Fabric Roller, Brush, Bristle Pad, Tool for corduroy effect.

Primers and sealers: CRILUX, NEOFIX by Oikos

Base coats: FONDO MURALES by Oikos

Application temperature: +5°C ÷ +36°C (with relative humidity not exceeding 80%)

Drying time until touch dry: 2 ÷ 3 h (temperature = 20°C with relative humidity at 75%)

Total drying time: 12 ÷ 14 h (temperature = 20°C with relative humidity at 75%)

Time until possible to paint over: 6 ÷ 8 h (temperature = 20°C with relative humidity at 75%)

Tools cleaning: water

Technical Characteristics: The Product

Composition: la test generation acrylic binders, marble powder in selected grain sizes (max 0,7 mm), inorganic, titanium dioxide based pigments.

Specific weight: 1.7 +/- 3% (White)

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Grain size: Max 0,7 mm

pH: 8 ÷ 9

Viscosity: workable paste

Storage Temperature: +2°C ÷ +36°C. Keep from freezing

Water absorption: Class W₃ (Low permeability) w = 0,041 kg/(m²h^{0,5}) (EN 1062-3:2001)Permeability
to water vapour: ClasseV₂ (Medium permeability) Sd=1,03 m (EN ISO 7783-2:2001)Adhesion and
resistance
to detachment: 2,8 MPa, breakpoint A/B 60% and type B 30% (UNI EN ISO4624:2006)Adhesion through
direct traction: f_h = 0,3 MPa (min. f_h > 0,3 MPa) (EN 1542:2000)Durability: f_h = 0,3 MPa (min. f_h > 0,3 MPa) (EN 13687-3:2003)Thermal conductivity: λ_{10,dry} = 1,28 W/mK (P=90%) (EN 1745:2005)

Reaction to fire Euroclasse F (EN 13501:2009)

CE Label: Conforms (EN 15824:2009)

Emission limits of
Volatile Organic
Compounds (VOC) according to directive 2004/42/CE: Classification: A/L; VOC: 10 g/l (max);
Phase I limit (from 1.1.2007): 300 g/l, Phase II limits (from 1.1.2010): 200g/l.

Colours: White

Packages: 5 -20 Kg

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 to be considered non dangerous if used in a 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.

Specifications

New surfaces should be thoroughly dry and mature.

For powdery surfaces or surfaces with old coats of paint that are not well adhered to the surface, proceed to scrape away all loose and flaking material and apply a coat of an acrylic sealer such as CRILUX or NEOFIX by Oikos.

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Apply one or two coats, according to needs, of a base coat such as FONDO MURALES by Oikos in order to have an even white surface.

Following this, apply a decorative coating for interiors such as MARMORA ROMANA, using the tool recommended in the application methods indicated for the specific desired effect (see technical data sheet). All should be realised fully respecting application norms and with a cost of per m² including material and application.

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.