

Name	VISOLCALCE MARMORIN HYDRO (Water-repellent Marmorino)
Description	Slaked lime based Marmorino plaster, formulated with special additives that make the surface highly water-repellent.
Main characteristics	<p>VISOLCALCE MARMORIN HYDRO is a smooth, translucent, lime based marmorino plaster, containing oxide powder pigments, fine grained marble powders, hydrophobic additives and adhesion promoters. After the application, lime contained in the product reacts with the carbon dioxide in the air creating microcrystalline calcium carbonate and forming a compact, uniform and breathable structure. Its prestigious finish is mainly suited to historic centres and façades with cornices, friezes and pilasters. Suitable for application on uniform, absorbent and even aged lime-based or mixed plasters.</p> <p>Given the natural composition of the product, according to the absorption of the substrate, to the climate conditions and to application method, the final shade will be highlighted with "light and shade" effect</p>
Tintometric system	VISOLCALCE MARMORIN HYDRO can be tinted using the Tintometric system.
Classification (UNI 8681)	E. 2/4.C.O.AC.2.SA Aqueous dispersion, single component, reactive chemical hardening, opaque, lime-based plaster for base layer and finish
VOC classification (Directive 2004/42/CE)	Opaque paint for interior walls and ceilings. EU VOC limit value for VISOLCALCE MARMORIN HYDRO (cat. A/a): 30 g/L (2010). VISOLCALCE MARMORIN HYDRO contains at most 30 g/L of VOC.
Instructions for use and surface preparation	<p><u>New surfaces</u></p> <ul style="list-style-type: none">- Lime-based or mixed mortar plasters: The surface must be uniform, matured, absorbent and free of patches or plastic finishes. Check the surface absorption and only in the case of excessive absorption, apply a coat of PRYMER ACQ if indoors or PRYMER SE if outdoors. If case of mould or algae, clean with an anti-mould solution. Dampen the substrate before application.- Interior gypsum based surfaces: if necessary, after the application of a water-based fixative, render the surface with a specific filler for gypsum. Roughen the surface with appropriately diluted quartz-based acrylic paint (VIEROQUARTZ).- Fine textured cured plaster: clean carefully the surface removing all traces of dust. Apply a coat of PRYMER ACQ if indoors or PRYMER SE if outdoors and wait 24 hours. <p><u>Already painted surfaces</u></p> <ul style="list-style-type: none">- Cement based or mixed mortar plasters, already coated or partially degraded: remove all traces of dirt, any parts that are not perfectly anchored and any efflorescence. Clean with anti-mould solution if necessary. In case of old coatings, remove the paint with a paint remover and wash the surface with high pressure washing equipment. After the application of PRYMER ACQ if indoor or PRYMER SE if outdoors, render any thickness up to 5 mm with a rendering paste and let it cure for at least 5 or 6 days. Greater thicknesses should be treated with products compatible with the existing mortar and let them mature. Make sure the wall is completely dry and fix the surface with a coat of PRYMER ACQ if indoor or PRYMER SE if outdoors. For surfaces with not uniform large areas, apply on the entire surface a rendering paste and let it mature.
Application	<p>Ready for use. Mix carefully until it can be worked. Any layer of liquid on the surface must be mixed in with the rest of the product. Apply two coats of VISOLCALCE MARMORIN HYDRO 24 hours apart using a stainless steel trowel and refinish with a circular movement using a sponge trowel, as for a normal plaster. For a smooth and translucent finish, the second coat should be polished and compacted with a stainless steel trowel</p> <p>If used in very damp areas such as baths, showers, etc. where greater water repellency is needed, apply a top coat of HYDRO PROTECTION following the instructions on the related data sheet.</p>

Practical suggestions

- Due to the chemical nature of the product it may be highly viscous when opened. Simply stirring it with a mixer will restore it to the proper application viscosity
- Store the product in its original packaging at a temperature between + 5°C and + 30°C.
- Do not apply different lot numbers on the same façade.
- Apply on even and absorbent mineral substrate; complete the wall without pause and avoid recovering dry material. For large surfaces, plan any pauses near downpipes or joints.
- Do not apply in direct sunlight (+35°C) or in temperature conditions that could go below + 5 °C during the first 24 hours after application. The relative humidity must not exceed 80%.
- After application, the surfaces must be protected from rain for at least 48 hours.
- The pH is basic. Avoid contact with the eyes using the proper protective goggles. In case of contact with the eyes, wash thoroughly with water for at least 15 minutes. If irritation persists, seek medical advice.
- Wash tools with water immediately after use.

PERFORMANCE CHARACTERISTICS OF THE CE MARKING

Characteristics	Method	Main data at 20°C and 60% Relative Humidity.
Permeability to water vapour m	EN ISO 7783	V1 (<0,14)
Water absorption Kg/(m ² * h ^{0.5})	EN 1062-3	W1 (>0,5)
Adhesion > 0.3 Mpa	EN 1542	0,5
Durability > 0.3 Mpa	EN13687-3	0,6
Thermal conductivity for p=50% W/ m * K	EN 1745:2002 A12 table	NPD
Thermal conductivity for p=90% W/ m * K	EN 1745:2002 A12 table	NPD
Reaction to fire Class	EN 13501-1	A2

Characteristics and other technical information	Method	Main data at 20°C and 60% Relative Humidity.
Density g/ml	UNI 8910	1,500 ÷ 1,700
Viscosity	ASTM D 2196	Paste
Theoretical consumption for two coats Kg/m ²	ISO 7254	3 ÷ 3,5
Flash point °C	UNI 8909	Not flammable
Storage life (in a cool, dry place.)	UNI 10154	At least 12 months
Cured h		24 h
Dry to recoat h		After 12 ÷ 24h



VISOLCALCE MARMORIN HYDRO

Datasheet code VIE434279EN

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Application surfaces	Exteriors \ Interiors
Colours	White, Tintometric System Colours
Binder	Lime Putty
Cleaning tools	Water
Solvent	Water
Stainless steel spatula application	Ready for use

All of the technical data contained herein is based on our knowledge and experience, are indicative and are not a guarantee of results. The data and methods given in these technical specifications may be changed at any time based on changes in production technology. Application of the product is beyond our control and is therefore at the sole responsibility of the customer. The correct use of the materials requires compliance with the general instructions given on the page GENERAL CONSIDERATIONS in the PRODUCT INFORMATION SHEETS and especially what is indicated in this sheet, with particular attention to the preparation and suitability of the surface. Materis Paints Italia spa technical assistance can be contacted for any further information.

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