

PROFESSIONAL SYSTEMS

SOLUTIONS FOR THE RESTORATION

RECOVERY AND PROTECTION OF HISTORIC BUILDINGS



**san
marco** 
SISTEMI VERNICIANTI PER L'EDILIZIA



CONSOLIDATING
PLASTERS
PROTECTANTS
LEVELERS
FINISHES
DECORATIVE
ANTI-GRAFFITI

Recovery and protection of historic buildings

Research and love for history

The design of a restoration project should begin with a careful analysis of the materials involved. In order to find the most suitable solution, it is necessary to perform detailed diagnostic and knowledge tests on the nature of the support and on its condition of disrepair.

With the experience gained over more than half a century of history in the world of paints and varnishes, Colorificio San Marco is now introducing a new range of products specifically dedicated to the Restoration. A wide range of solutions and systems with low environmental impact aimed at strengthening and protecting the structures of buildings of artistic interest, in accordance with the historical nature of the material and the nature of support.

Our Restoration Range is open to all industry professionals and contractors who already carry out restoration works on historic buildings.



Colorificio San Marco Headquarters - Marcon (VE).

R&S Laboratory - Marcon (VE).



COURT OF DOLE, FRANCIA - ANTICA CALCE.



Consolidating

For mineral supports and stone materials

When the mineral materials or degraded ancient artifacts have problems of chalking, weathering or low cohesion, it is necessary to proceed with a pre-consolidating treatment before any cleaning operation. The consolidation through specific products will restore the original texture of the substrate. Some high-tech products, as well as consolidate degraded materials, can at the same time protect them effectively.



SILETIL 100: mixture of esters of silicic acid dissolved in solvent medium concentration, suitable for the pre-consolidation of natural stone materials, mortars, plasters, etc..

The product, which has high penetrability, reacts with the moisture present in the support generating silica gel; the silica inside the pores restores the mechanical properties of materials and reduces the porosity, without varying the breathability and the aesthetic surface appearance. Siletil 100 is suitable for the pre-consolidation of mineral surfaces before cleaning interventions.

MARCRYL 33: aqueous dispersion of acrylic resin with provides excellent resistance to alkali and weatherability, suitable as a superficial aggregator for plasters. The high insulating effect of the product also allows subsequent uniform finish painting, even on surfaces with different absorption. Marcryl 33 is suitable through injections for bonding plasters partially detached from the support and suitable as an additive for mortars in order to improve their mechanical performance and the adhesiveness to the substrate. Reversible product.



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ATOMO



acrylic wall bonding based on micro-emulsions in aqueous dispersion with high penetration, suitable for the consolidation of degraded plasters, plaster and mineral materials in general.

Atomo is a Solvent-Free water based product, with size of the polymer particles less than 20 nm, and is a viable alternative to traditional solvent-based wall bonders. Reversible product.

NANOREP 10: water-based polisiloxane consolidating protectant based of microdispersions of silanes and siloxanes, suitable for the consolidation and protection of mineral stone usually placed indoor and outdoor. Nanorep 10 drastically reduces the water absorption of the mineral substrates, without modifying the permeability to water vapor and without bringing chromatic variations to the surface. Although it is a product with water-repellent effect (therefore used outside on vertical mineral supports), has an excellent consolidating capacity as well as surface protection, making it suitable as an anti-dust protective for floors in stone and brick.



Intervention of restoration of the colonnade of Sacra di San Michele, Torino - ATOMO.

ACRYLTECH S: protective consolidating resin-based methyl-butyl-acrylate dissolved in solvent, indicated for the consolidation and protection of natural and artificial stone materials, terracotta elements and wood materials. The product performs a function of consolidating on absorbent mineral substrates and a protective function on stone materials with low absorbency, such as marble and concrete. Available in the polished version as consolidating and in the satin-finished version as a protective. Reversible product.

NEPTUNUS PRIMER H: water-based primer based on polysiloxanes in water dispersion and acrylic resins, suitable for the impregnation and consolidation of plaster. In addition to restoring the mechanical properties of decayed, the product is an excellent primer on plaster before protective and decorative treatments with covering effect. Unlike traditional consolidating, has the ability to hydrophobe plasters, enhancing durable performances of protection cycles.

MARCOSIL PRIMER: based on modified potassium silicate, specifically developed to impregnate and consolidate wall surfaces before the application of paints or silicate-based coatings.

Ghirlandina Tower, Modena - NANOREP 10.



Venetian Palace, Venezia - NEPTUNUS PRIMER H.



Lime based mineral plasters

In the restoration of historic buildings and for intervention in the green building

The pure Natural Hydraulic Lime NHL 3,5 used in the BIOMARC range, as well as being in possession of CE marking and conforms to EN 459-1, meets the requirements of environmental compatibility because:

- is exclusively constituted by raw materials of inorganic nature (minerals of natural origin) and bears no emission of volatile organic compounds (VOC),
- the content of radioactive isotopes is in accordance with the typical average values of natural hydraulic limes;
- the natural pH of the lime (12÷14) makes the products of the BIOMARC range unassailable by bio-organisms and mold;
- the incombustible nature of the lime used in the production of BIOMARC avoid enacting toxic combustion gas;
- is biocompatible and recyclable as an inert.



BIOMARC

Natural lime-based plasters specifics for intervention in the green building and the restoration of historic buildings. May be applied on wall surfaces (gravel, limestone, stone, rock, brick) outdoor and indoor.

4 The production of natural plasters BIOMARC is realized through mineral (lime, silicates) or siloxane finishes.

BIOMARC RINZAFFO: natural lime base bond coat, levels and solidifies walls, improving the adhesion of subsequent applications of BIOMARC plasters.

BIOMARC INTONACO: Natural lime based ecological plaster, creates a layer with high water vapour permeability and excellent weatherability, to be finished with BIOMARC FINITURA.

BIOMARC FINITURA: Natural lime based ecological finishing plaster, indicated for the leveling of internal and external plaster coats, creates a layer with high water vapour permeability and excellent weatherability.

Intervention of restoration of Massari stairs in the Artigianelli complex, Venezia - BIOMARC.





BIOMARC DEUMIDIFICANTE

Repair plaster for walls subject to moisture and efflorescence, specific for interventions in the green building and the restoration of historic buildings.

May be applied on wall surfaces of any kind (gravel, limestone, stone, rock, brick) indoor and outdoor, provided being completely without plaster.

For the protection of mineral plasters BIOMARC DEUMIDIFICANTE, use mineral (lime, silicates) or siloxane finishes.

GREENSPIRIT

is the symbol of the environmental policies of Colorificio San Marco aimed at a

continuous improvement of the environmental performance of its products. On the product of the Greenspirit range has been performed a study of the LCA (life cycle of the product). The publication of data ACL represents the strong desire to compete with market transparency through objective and measurable datas, away from the Greenwashing.



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BIOMARC RINZAFFO DEUMIDIFICANTE: natural lime based anti-salt bond coat. Specific for the treatment of salt deposit, before the application of the BIOMARC dehumidifying system for the restoration of walls affected by humidity and formation of saltpetre.

BIOMARC INTONACO DEUMIDIFICANTE:

natural lime based ecological restoration and repair plaster, creates a layer that has a high water vapor permeability, along high excellent water repellency. To be finished with BIOMARC FINITURA DEUMIDIFICANTE.

BIOMARC FINITURA DEUMIDIFICANTE: natural lime based ecological finishing plaster, specifically used for the final leveling phase in the BIOMARC dehumidifying system. It creates a layer with very high water vapor permeability, along with excellent water repellency, excellent mechanical strength and weatherability.

Stones protectants

Stone and brick untreated

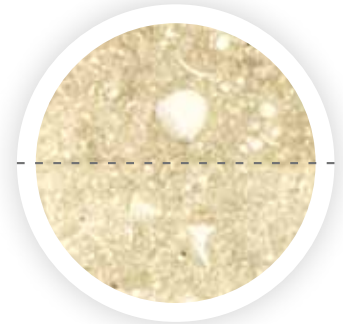
The lower band of all the materials has not been treated to verify the behavior of the supports in contact with water.



H-REP SILOSSANICO

Interior-external water-based siloxane protectant

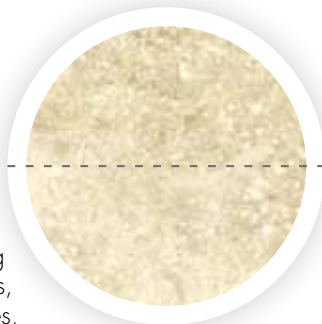
Based on a non film-forming alkylalkoxysilane and siloxane based emulsion, for protecting vertical mineral and absorbent stony surfaces, concrete, aerated concrete, reinforced cement, calcareous rock, sandstone, rendering plaster and exposed brick. High water repellent, it drastically reduces surface water absorption and blocks the formation of unsightly whitish patches caused by soluble salts in the walls. It does not alter the breathability and the original look of the substrate.



NANOREP 10

Siloxane water repellent consolidator

A silane and siloxane based microdispersion for strengthening and protecting mineral substrates, stony materials, concrete surfaces, reinforced cement, calcareous rock, sandstone, rendering plaster and exposed brick. It drastically reduces surface water absorption it maintains the breathability and original appearance of the substrate. It prevents the crumbling of the construction material and blocks the formation of unsightly whitish patches caused by soluble salts in the walls.



VERNICE ACRILICA SATINATA

Transparent protective coating for stone materials

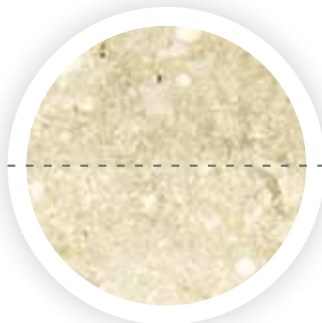
Based on acrylic resins in solution, suitable for protecting exposed cement, natural stone, marble, putty and plastic. High elasticity, water repellence. Excellent resistance to chemical and atmospheric agents.



SILETIL 100

Consolidating agent for stony materials and rendering plasters

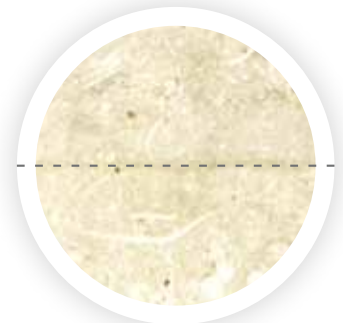
Ethyl silicate based product used to restore the mechanical properties of natural stone, mortar, rendering plasters, and bricks without altering the breathability or the original look of the substrate. After application, this high penetration product reacts with the moisture in the material to form a silica gel that binds with the substrate particles, restoring the resistance properties of the material. The reaction time is approximately two weeks. Can be covered with water-repellent paint.



SOLVESIL

Water repellent siloxanic protective coating for outdoor and indoor use

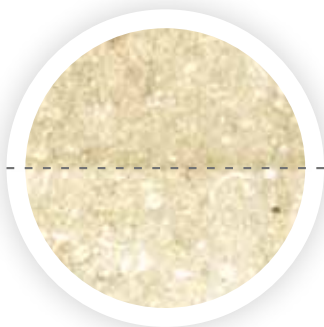
Based on non film-producing polysiloxane polymers, suitable for hydrophobicizing protection of mineral surfaces such as cement, exposed brick, natural stone and concrete. Resistant to alkalis and atmospheric agents. Drastically reduces water absorption of surfaces, without altering permeability and the original appearance.



FACCIAVISTA PRO

Transparent colorless protective stone covering based on siloxanes and acrylates

Based on acrylic resins and polysiloxane to protect stone, exposed brick and concrete surfaces. Consolidates and prevents the support surface from gradually crumbling. Does not affect the permeability of the support surface, and revives the paint color. Blocks water absorption.



VERNICE ACRILICA LUCIDA

Transparent protective coating for stone materials

Based on acrylic resins in solution, suitable for protecting exposed cement, natural stone, marble, putty and plastic. High elasticity, water repellence. Excellent resistance to chemical and atmospheric agents.



Santa Marta, Venezia - SOLVESIL.



Breathable protectants

For mineral and stone surfaces

The atmospheric agents and pollutants, as well as the inevitable wear of time, attack the historical materials, compromising the integrity and aesthetic appearance. These phenomena can be counteracted by the use of suitable protective products.

FACCIAVISTA PRO: protective stone covering based on siloxanes medium molecular weight of butyl acrylate and methyl-siloxanes and dissolved in appropriate solvents, indicated to consolidate and protect absorbent mineral substrates such as stone, exposed brick and concrete surfaces. The product has a high consolidating power combined with a good water-repellent effect. It does not affect the appearance of the substrate surface.



Fabrica, Ponzano Veneto (TV) – SOLVESIL

ACRYLTECH S: consolidating protective resin-based methyl-butyl-acrylate dissolved in solvents, suitable for the consolidation and protection of natural and artificial stone materials, elements of brick and wood materials. The product performs a consolidating function on absorbent mineral substrates and a protective function on stone materials with low absorbency, such as marble and concrete. Available in polished version as consolidator and satin-finished version as protective. Reversible product.

SOLVESIL: mixture of silanes and polysiloxanes with balanced molecular weight dissolved in aliphatic solvents. The product penetrates absorbent mineral materials and hydrolyzing with moisture in the air or in the support, it creates a barrier against water and moisture while protecting the surface from degradation. Sovesil features a high water-repellent effect, does not change the surface appearance and does not vary the vapor permeability of the substrate. Suitable for vertical surfaces absorbent stone, brick, artificial stone and concrete. In case of inconsistent supports, it is necessary a preconsolidation with mineral products as Siletil 100.

NANOREP 10: Siloxane water repellent consolidator silane and siloxane based microdispersion for strengthening and protecting mineral substrates generally placed indoor and outdoor. Nanorep 10 drastically reduces surfaces water absorption it maintains the breathability and original appearance of the substrate without causing chromatic variations to the surface.

Although being a product with water-repellent effect, it prevents the crumbling of the construction material and blocks the formation of unsightly whitish patches caused by soluble salts in the walls.



H-REP SILOSSANICO: water soluble water-repellent protective based of an emulsion of siloxane and alchilalcossilane not film-forming, which gives the surfaces a high resistance to alkalis and to weathering. The product develops very quickly a water-repellent surface, drastically reducing the water absorption of the supports. Rep H-siloxane does not alter the permeability and the original appearance of the substrate. Any degraded surface layer must be pre-treated with a suitable mineral consolidating.



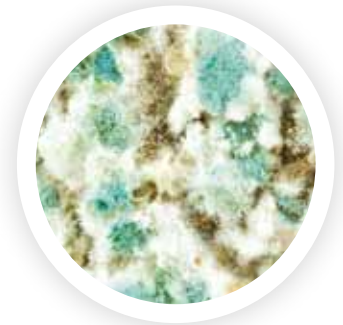
Mold restoring

For mineral surfaces

Mold, algae and fungi are agents of biological degradation for the wall surfaces. Some factors may cause the growth of these microorganisms: Exposure to the north and north-west, or inclement weather, lack of sunshine and ventilation, presence of moisture, capillary rise of water from the ground, close range by spore-bearing plants etc.

This is not only an aesthetic problem, because it can have an impact on the hygiene of the premises and can result in a significant degradation of the supports, with color variations in surfaces.

It is therefore necessary to intervene with appropriate pest control products.



COMBAT 222: aqueous solution with high content of active chlorine suitable for the detergency of wall surfaces and wooden interiors and exteriors infested with mildew, algae, mosses and other microorganisms. Despite not having a permanent effect, the product allows to whiten and disinfect the treated surfaces, making them suitable for subsequent treatments of consolidation or protection.

COMBAT 333: sanitizing mold composed of an aqueous solution containing benzalkonium chloride and particular biocidal with permanent effect, suitable for the treatment of internal and external surfaces infested with mildew. In addition to performing a disinfection immediate, the product penetrates into the holder and prevents the mold proliferate inside.



COMBAT 111: sanitizing additive for outdoor wall paints that, added in the doses provided for the protection of wall facade, allows to obtain a high protection against molds, algae and lichens



COMBAT 444: anti-mould additive for indoor wall paints, added in the doses provided for the protection of wall facade, allows to obtain a high protection against molds.



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Exterior/Interior finishes

The intervention of protection and decoration of buildings that belong to the rich historical and artistic heritage of our cities must be made with advanced systems, respectful of the original materials and at the same time protecting facades against atmospheric agents and pollutants.

All this without forgetting the final aesthetic effect, which must always be the prestige of the building to be restored. The various solutions offered, a predominantly mineral composition, effectively combine these different needs: the perfect synthesis between tradition and modernity.



Silicate system Marcasil

Highly breathable and weather resistant, the system MARCOSIL protects and decorates walls. The nature of the mineral, silicon-modified potassium, make it ideal for the restoration of historic centers and buildings of artistic interest. A wide range of thickness and smooth finishes that allow to obtain natural-colored surfaces.

MARCOSIL products comply with the DIN 18363 requirements, which provides for a maximum content of organic binder equal to 5%.

Products of the Marcasil system:

MARCOSIL PRIMER

Wall impregnator based on modified potassium silicate for plasters



MARCOSIL GRIP



Silicate-based linking base coating which enables the application of the Marcasil finishes on old synthetic coatings, provided being consistent.

MARCOSIL PITTURA LISCIA



Outdoor paint based on modified potassium silicate.

MARCOSIL RIEMPITIVO



Protectant for exterior based on modified potassium silicate, with high filling effect and capacity of masking imperfections.

MARCOSIL KP 1,2 - KP 1,5



Silicate Textured Wall Coating anti mold, anti-algae 1.2 and 1.5 for thermal insulating system.

MARCOSIL DOMUS



Silicate water-based paint for indoor use.

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◀ Villa Ogliani,
Pinerolo (TO)
MARCOSIL system.



Neptunus siloxane system

System of protectants and decoratives of new generation, based on siloxane resins and acrylic resins in water dispersion, can effectively protect from atmospheric agents. The final aesthetic effect is similar to that of traditional mineral finishes.

Compared to them the siloxane products feature high vapor permeability and excellent water repellency and protection of exterior surfaces.

Neptunus products are not affected by patching plaster and adhere perfectly to various substrates. The range of colors extending over the entire color space, even in the shade stronger.



Products of the Neptunus system:

NEPTUNUS PRIMER H



Siloxane fixative for outdoor and indoor use, suitable for impregnating and consolidating low-absorbency mineral surfaces before applying a siloxane finish.

NEPTUNUS RIEMPITIVO



Siloxane wall protection with capacity of masking imperfections in the support surface.

NEPTUNUS



Siloxane wall protective treatment for indoor and outdoor use which features high breathability, water repellency and resistance to atmospheric agents.



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Grandi Stazioni Palace, Venezia – NEPTUNUS system.



Exterior/Interior finishes

Lime-based range

The lime-based finishes are highly compatible with the supports of historical buildings, not film-forming and give the surface an elegant appearance, reminiscent of the materials of our traditional architecture and decoration.

The lime products, due to their high permeability to water vapor, also promote the elimination of any accumulation or stagnation of water in the plaster. The high alkalinity of the material ensures finally also a good protection against the onset of mold.



Lime-based products:



ANTICA CALCE: interior decorative mineral coating. It reproduces the characteristic effect of the antique lime-based decorations, with shaded color effects.

INTONACHINO MINERALE: lime-based trowelled outdoor wall coating, which recreates a finish similar in appearance to the old colored plaster of Venice. Available in two particle sizes: 0.7 mm and 1.4 mm.

MARMORINO CLASSICO: trowelled decorative outdoor and indoor mineral base coat, with shaded color effects that vary depending on how they are applied.

The Colorificio San Marco, after having developed the LCA study, certified Intonachino Minerale GF, Marmorino Classico and Antica Calce with the EPD (Environmental Product Declaration - Environmental Product Declaration).



Magazzini del Sale Santa Marta, Venezia - MARMORINO CLASSICO.



Polo museale Palazzo Venezia, Roma - ANTICA CALCE.



Decorative finishes

Recreate noble and elegant indoor settings and restore the charm of historic facades. These are the objectives of our decorative finishes, a wide range, with a decades-long history and proven in many big and small restorations. Technological research of innovative solutions is inspired by the enchantment of Venice.



Lime-based range:

ANTICA CALCE: interior decorative mineral coating. It reproduces the characteristic effect of the antique lime-based decorations, with shaded color effects.

ANTICA CALCE PLUS: lightly textured elegant finish coat, characterized by light and shade effects which highlight the brush strokes that are raised because of the polishing technique.

MARMORINO CLASSICO: trowelled decorative outdoor and indoor mineral base coat, with shaded color effects that vary depending on how they are applied.

MARMO ANTICO: decorative mineral-based wall coating for outdoor and indoor use that yields a porous lined finish reminiscent of the typical look of travertine.

GRASSELLO DI CALCE: classic period decoration for indoor use, glossy finish with soft color shading. Allows to create glazes and plasters.



Siloxane range:



VELATURE

siloxane protective and decorative treatment with antiqued effect for exteriors/interiors. For its formulation, the product features high breathability, water repellency and resistance to atmospheric agents.

PERLACEO: pearlescent indoor siloxane finish, which creates sophisticated and distinct reflective color effects.



Villa in St. Petersburg, Russia - GRASSELLO DI CALCE, ANTICA CALCE.



san marco
SISTEMI VERNICIANTI PER L'EDILIZIA

Protectives

Metal protectives

A valuable wrought iron gate, a bronze statue or a handcrafted copper: many are metal objects that deserve to be protected from wear, rust, by the action of weather and, why not, enlivened and embellished.



Statue "La Partigiana", Venezia - NO STRIP.



14 Pennoni San Mark's square, Venezia – Global Lucido

MARCOTECH AU METAL PRIMER: Single-component primer based on acrylic-urethane resins and special additives passivating / preservative against corrosion. Prevents rust and the propagation of instantaneous (anti-flash-rust) and has a high level of adhesion to metal surfaces. The particular combination of its components gives the product an excellent hardness, abrasion resistance, high fullness and coverage of the edges.

UNIMARC SMALTO MICACEO: acrylic resins and lamellar pigment based enamel which protects and decorates metallic substrates. Dual function:

- **barrier effect:** the particular lamellar structure creates parallel layers of the charge inside the film, which hinder the penetration of water and atmospheric agents
- **shielding effect:** the micaceous iron oxide and aluminum present in the product prevent ultraviolet radiation to reach the underlying layers, delaying the deterioration of the binder.

Due to its aesthetic features, Unimarc Smalto Micaceo can be applied on various supports to create pleasing decorative effects.

GLOBAL LUCIDO E SATINATO: synthetic enamel based on alkyd resins and urethane resins with aliphatic anti-corrosion effect. Provides an effective barrier against the atmospheric agents, has a high elasticity and outdoor resistance and is therefore particularly suitable and appropriate for the protection of wood, iron and other materials even in the presence of aggressive environments.

UNIMARC SMALTO LUCIDO E SETA: odorless water-soluble acrylic lacquer for exterior and interior, containing color pigments high light fastness. Excellent resistance to weathering and yellowing. Available in gloss and satin finishes.

NO STRIP VERNICE SEMILUCIDA for copper and bronze: transparent protective semigloss based on acrylic resins dissolved in solvent and passivating for copper. Protecting the material from oxidation, the product prevents the formation of the characteristics and unsightly stains greenish. Also suitable for handmade iron and brass inside.



Villa Emo, Veduggio TV - UNIMARC SMALTO MICACEO.

For wood

The wood, due to its warmth and elegance that infuses, has traditionally been used both for the construction of buildings, decorative elements and furniture. This material, in order to maintain its quality over time, must be protected from degradation with suitable products. Colorificio San Marco offers a wide range of solutions to dignify the wood and protect it from weathering, and organic pollutants.

COMBAT 222: aqueous solution with a high content of active chlorine suitable for the detergency of wall surfaces and wooden interiors and exteriors infested with mildew, algae, mosses and other microorganisms. Despite not having a permanent effect, the product allows to disinfect the treated surfaces, making them clean and suitable for subsequent treatments of consolidation or protection.



UNIMARC PRIMER ANTITANNINO: water-based insulating primer for wood, specific against the formation of unsightly dark spots caused by the presence of tannins.



UNIMARC IMPREGNANTE LEGNO: odorless protective coating for outdoor and indoor use. Due to its particular acrylic binder, is able to penetrate the support and defend it against atmospheric agents.



MARCONOL PLASTIC OIL: protects and revitalizes wood products already painted both inward and outward. The product does not hide the wood grain, but rather enhances the tone and creates a protective film at the same time that counteracts the formation of cracks and preserves the artifact over time.



UNIMARC FINITURA CERATA: odorless satin water-soluble decorative protective for wood. With its UV absorbers and microcrystalline waxes, the product gives the wood a strong water-repellent and protects in outdoor environments characterized by high exposure to weather and sunlight.



UNIMARC FINITURA LEGNO: odorless water-soluble paint for interior and exterior, available in gloss and satin finishes. The binder, based on an acrylic copolymer and a particular UV-light absorbers, makes the product durable in outdoor environments and difficult with strong exposure to sunlight.



MARCONOL OLIO PAGLIERINO: allows to polish, nourish and regenerate objects and structural elements in wood, such as furniture, windows and doors. The product is transparent with amber through the wood, brightens its color and enhances the grain.



Anti-graffiti system

The problem of graffiti on the walls, very popular among urban also on residential buildings or of historic interest, can be effectively solved with the Colorificio San Marco anti-graffiti system.

The removal of graffiti is done with the detergent Graffiti Remover and a jet of hot water under pressure; subsequently, to prevent new contamination and protect the surface, it is necessary to apply a layer of protective Isograff.



GRAFFITI REMOVER: gel product specific to remove the contamination of enamel and paint from natural and artificial stone surfaces, concretes and bricks. Non-caustic, quick and easy to apply.



ISOGRAFF: transparent effect anti-written protective, ideal for the protection of mineral surfaces.

The product creates an effective barrier that reduces the absorption of water and dirt and prevents the deposit of smog. Isograff does not alter the aesthetic appearance and the breathability of surfaces, facilitating the subsequent removal of graffiti by cleaning with hot water. Applicable also on protective wall pigment of various nature, as long as consistent.



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The antigraffiti system has been used by the intervention of cleaning and protection from contamination of the colonnade of Piazza San Marco in Venice.

BEFORE



AFTER





made 
in italy

AZIENDA CON SISTEMA
DI GESTIONE QUALITÀ
CERTIFICATO DA DNV
= ISO 9001 =

**san
marco** 
SISTEMI VERNICIANTI PER L'EDILIZIA

Colorificio San Marco SpA
Via Alta 10 - 30020 Marcon (VE) - Italy
Tel +39 041 4569322
Fax +39 041 5950153

www.san-marco.com
info@san-marco.it
export@san-marco.it