



TECHNICAL DATA MARBLEX MIRROR

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Description of MarbleX Mirror:

Nikkolor Italia revisits the ancient past and projects it towards the design of the future, thus MarbleX Mirror is born, which in the expert hands of artisans manage to imitate the most precious and unique marbles, so as to capture the soul of anyone who lays their eyes on it. MarbleX Mirror is more than a simple finish; it is a story of passion and discovery, a journey through the mysteries of nature and the wonders of Venetian art.

Composition of MarbleX Mirror:

- MarbleX Mirror is composed of special binders and nano resins in aqueous solution, inorganic pigments, very fine fillers, additives and specific bactericides. Its innovative formulation is obtained by using some of the most valuable raw materials that provide excellent mechanical properties, remarkable chemical resistance, an effective obstacle to the formation of mold and bacteria, and in particular an extraordinary ability to oppose the spread of flames and the development of smoke, it is an ecologically sustainable and advanced product, does not contain *added Formaldehyde and **APEO, with very low VOC content.

Fields of use for the application of MarbleX Mirror:

- Ideal for covering internal and external walls and ceilings, intended for large design and for the renovation of public and private environments, shopping centers, shops, bars, villas, residences, shower cubicles, bathrooms, saunas, furnishings, doors and furnishing accessories, all this to satisfy the furnishing needs of modern and contemporary architecture.

Main features of MarbleX Mirror:

- Realistic appearance of natural marble
- Continuous surface, without joints
- High resistance and durability over time
- Applicable on internal and external walls, furnishings, decorative panels

Preparation of MarbleX Mirror:

- The product is ready to use, mix well before use.

Preparation of internal walls and application of MarbleX Mirror «Venetian Effect»:

- The supports must be dry, solid, free from dust, paint, wax, oil, crumbly and seasoned parts.
1. Apply a single layer of Primer NK evenly over the entire surface to be treated using a short-haired roller and a brush.
 2. Leave the product to dry for 24 hours (+20°C);
 3. Apply a first layer of MarbleX Mirror using a stainless steel trowel to create the classic Venetian-style spatula strokes, proceed in this way for the entire surface;
 4. Leave to dry for 12 hours (+20°C);
 5. Apply a second coat of MarbleX Mirror for about 2 m², go back and sand the surface to make it smooth and flat by tilting the stainless steel trowel;
 6. Leave to dry for 12 hours (+20°C);
 7. Using an electric polisher connected to a vacuum cleaner, place the 1000 grit silicon carbide polishing disc and polish the entire surface;
 8. Polish the surface again as done previously but changing the silicon carbide polishing disc to one of 3000 grit;

Nikkolor Italia s.r.l.

V.le Vittorio Veneto, 186 - 96014 Floridia (SR)
+39 0931 941789 - www.nikkolor.net



9. Apply a single coat of Cream Wax over the entire surface using a stainless steel trowel;
10. Leave to dry for 12 hours (+20°C);
11. Polish the entire surface treated with Cream Wax using an electric polisher with the appropriate soft wool pad.

Preparation of internal walls and application of MarbleX Mirror «Effetto Veneziano»:

- The surfaces must be dry, solid, free from dust, paint, wax, oil, crumbly and seasoned parts.
1. Apply a single layer of Primer NK evenly over the entire surface to be treated using a short-haired roller and a brush.
 2. Leave the product to dry for 24 hours (+20°C);
 3. Apply a first layer of MarbleX Mirror using a stainless steel trowel to create the classic Venetian-style spatula strokes, proceed in this way for the entire surface;
 4. Leave to dry for 12 hours (+20°C);
 5. Apply a second layer of MarbleX Mirror for approximately 2 m², go back and sand the surface to make it smooth and flat by tilting the stainless steel trowel;
 6. Leave to dry for 12 hours (+20°C);
 7. Using an electric polisher connected to a vacuum cleaner, apply the 1000 grit silicon carbide polishing disc and polish the entire surface;
 8. Polish the surface again as previously done but changing the silicon carbide polishing disc to a 3000 grit one;
 9. Apply a single coat of Cream Wax over the entire surface using a stainless steel trowel;
 10. Leave to dry for 12 hours (+20°C);
 11. Polish the entire surface treated with Cream Wax using an electric polisher with the appropriate soft wool pad.

Preparation of the internal walls and application of MarbleX Mirror «Natural Marble»:

- The surfaces must be dry, solid, free from dust, paint, wax, oil, crumbly and seasoned parts.
1. Apply a single coat of Primer NK evenly over the entire surface to be treated using a short-haired roller and a brush.
 2. Leave the product to dry for 24 hours (+20°C);
 3. Apply a first layer of MarbleX Mirror using a stainless steel trowel to create the classic Venetian-style spatula strokes, proceed in this way for the entire surface;
 4. Leave to dry for 12 hours (+20°C);
 5. Apply a second layer of MarbleX Mirror for approximately 2 m², go back and sand the surface to make it smooth and flat by tilting the stainless steel trowel;
 6. Leave to dry for 12 hours (+20°C);
 7. Using an electric polisher connected to a vacuum cleaner, place the 1000-grit silicon carbide polishing disc and polish the entire surface;
 8. Polish the surface again as previously done but changing the silicon carbide polishing disc with a 3000-grit one;
 9. Dilute the MarbleX Mirror in the desired color and draw the wall using a specific brush for the veins;
 10. Leave to dry for 4 hours (+20°C);
 11. Polish the surface again as previously done but changing the silicon carbide polishing disk with one of 3000 grit.



Preparation of furniture, doors, shower cubicles, bathrooms, kitchen backslashes, internal and external walls and application of MarbleX Mirror «Natural Marble»:

- The supports must be dry, solid, free from dust, paint, wax, oil, crumbly and seasoned parts. The effects are unlimited and require specific advanced techniques to obtain the desired effects.
- 1. Apply a single layer of Primer NK evenly over the entire surface to be treated using a short-haired roller and a brush.
- 2. Leave to dry for 24 hours (+20°C).
- 3. Apply a first layer of MarbleX Mirror using a stainless steel trowel to create the classic Venetian-style spatula strokes, proceed in this way for the entire surface;
- 4. Leave to dry for 12 hours (+20°C);
- 5. Apply a second layer of MarbleX Mirror for approximately 2 m², go back and sand the surface to make it smooth and flat by tilting the stainless steel trowel;
- 6. Leave to dry for 12 hours (+20°C);
- 7. Using an electric polisher connected to a vacuum cleaner, place the 1000-grit silicon carbide polishing disc and polish the entire surface;
- 8. Polish the surface again as done previously but changing the silicon carbide polishing disc to a 3000-grit one;
- 9. Dilute the MarbleX Mirror in the desired color and draw the wall using a specific brush for the veins;
- 10. Leave to dry for 4 hours (+20°C);
- 11. Polish the surface again as previously done but changing the silicon carbide polishing disc with a 3000-grit one.
- 12. Apply a first layer of VetroLiquido PRP Satin using a short-haired roller (mohair) for approximately 1/2 m² and immediately afterwards smooth the product with a stainless steel trowel to eliminate any bubbles;
- 13. Leave to dry for 12 hours (+20°C);
- 14. Apply a second layer of VetroLiquido PRP Satin as done for the first;
- 15. Leave to dry for 48 hours (+20°C).

Preparation of internal walls and application of MarbleX Mirror «Precious Marbles»:

- The supports must be dry, solid, free from dust, paints, waxes, oils, crumbly and seasoned parts.
- 1. Apply a single coat of Primer NK uniformly over the entire surface to be treated using a short-haired roller and a brush.
- 2. Leave the product to dry for 24 hours (+20°C);
- 3. Prepare the right amount of MarbleX Mirror from two to more colors;
- 4. Wearing latex gloves, apply MarbleX Mirror over the entire surface using simply your hands and with wavy and transversal movements so as to create the various facets of overlapping colors for about 2/3 m², go back and smooth the product while still fresh so as to flatten and blend the various colors, proceed in this way over the entire surface;
- 5. Using a specific brush for veining, draw the surface to highlight the classic veining of fine marble;
- 6. Leave to dry for 24 hours (+20°C);
- 7. Sand the surface to make it smooth and flat by tilting the stainless steel trowel;
- 8. Using an electric polisher connected to a vacuum cleaner, apply the 1000-grit silicon carbide polishing disc and polish the entire surface;
- 9. Polish the surface again as previously done but changing the silicon carbide polishing disc with a 3000-grit one.



Preparation of furniture, doors, shower cubicles, bathrooms, kitchen splashbacks, internal and external walls and application of MarbleX Mirror «Precious marbles»:

- The surfaces must be dry, solid, free from dust, paint, wax, oil, crumbly parts and seasoned. The effects are unlimited and require specific advanced techniques to achieve the desired effects.
- 1. Apply a single layer of Primer NK evenly over the entire surface to be treated using a short-haired roller and a brush.
- 2. Leave the product to dry for 24 hours (+20°C);
- 3. Prepare the right amount of MarbleX Mirror from two to more colors;
- 4. Wearing latex gloves, apply the MarbleX Mirror over the entire surface using simply your hands and with wavy and transversal movements so as to create the various facets of overlapping colors for about 2/3 m², go back and smooth the product while still fresh so as to flatten and blend the various colors, proceed in this way over the entire surface;
- 5. Using a specific brush for veining, draw the surface so as to highlight the classic veining of fine marble;
- 6. Leave to dry for 24 hours (+20°C);
- 7. Polish the surface to make it smooth and level by tilting the stainless steel trowel;
- 8. Using an electric polisher connected to a vacuum cleaner, apply the 1000 grit silicon carbide polishing disc and polish the entire surface;
- 9. Polish the surface again as previously done but changing the silicon carbide polishing disc to one of 3000 grit.
- 10. Apply a first layer of VetroLiquido PRP Satin using a short-haired roller (mohair) for about 1/2 m² and immediately smooth the product with a stainless steel trowel to eliminate any bubbles;
- 11. Leave the product to dry for 12 hours (+20°C);
- 12. Apply a second layer of VetroLiquido PRP Satin as done for the first;
- 13. Leave the product to dry for 48 hours (+20°C).

Technical data of MarbleX Mirror:

- Viscosity of MarbleX Mirror (UNI EN ISO 3219): ~ 130000 mPa*s;
- Specific weight of MarbleX Mirror (UNI EN ISO 2811-1): ~ 1.5 Kg\Lt;
- PH of MarbleX Mirror: > 9.00;
- Yield of MarbleX Mirror: ~ 6/8 m²/Lt in two coats;
- Product: paste;
- Dilution of MarbleX Mirror: ready to use;
- Base color of MarbleX Mirror: White;
- Colors obtainable with MarbleX Mirror toner: 32 shades;
- Total hardening of MarbleX Mirror: ~ 24 hours;
- Use temperature of MarbleX Mirror: +5 +35°C;
- MarbleX Mirror packaging: 7 Lt and 2.5 Lt;
- Resistance to water and UV rays with VetroLiquido PRP: ~ 48 hours;
- Resistance to water and UV rays without VetroLiquido PRP: ~ 7 days
- Classification by final use of MarbleX Mirror (UNI EN 1062.1 – 4.1): Decoration and Protection;
- Classification by type of binder of MarbleX Mirror (UNI EN 1062.1 – 4.2): Acrylic Resin;
- Classification by state of MarbleX Mirror (UNI EN 1062.1 – 4.3): Aqueous Dispersion;
- VOC classification of MarbleX Mirror: Compliant with Legislative Decree no. 161 of 27/03/2006 (Implementation of Directive 2004/42/EC);
- UNI 8681 classification of MarbleX Mirror: Stucco, for finishing layer, in water dispersion, single-component, physically drying, matt, for wall surfaces, based on acrylic binders; E4.C.0.A.2.A3.FA.

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MarbleX Mirror useful tips:

- Do not apply on wet or frozen surfaces or on still damp restorations;
- Do not apply in the presence of beating sun, strong wind or rain;
- It is recommended to apply material from single batches on the same facade and to arrange the scaffolding so as to spread the product continuously until appropriate technical interruptions;
- It is important that during the application and in the following 24 hours the temperature does not fall below +5°C and the relative humidity is not higher than 80%

Compliant with the UNI EN 15457 standard (resistance to fungal growth), due to the presence of specific additives with a broad spectrum of action, it allows the product to prevent the formation of mold, fungi, algae and moss over time.

*Since January 1, 2016, formaldehyde has been classified as carcinogenic in Italy. The IARC (International Agency for Research on Cancer) classifies these substances based on how harmful they are to humans.

**APEO-free indicates the characteristic of a product free from APEO (alkylphenol ethoxylate), a substance dangerous for the environment and aquatic organisms. The REACH regulation (Regulations EC 552/2009 EC 1907/2006 REACH), prohibits in Europe the use of APEO in concentrations equal to or greater than 1,000 ppm (parts per million).

The times expressed are longer or shorter with the decrease or increase in temperature. In accordance with the general principles - Principles of evaluation of use of products and systems. Test conditions: temperature 23±2°C, 50±5% R.H. and air speed in the test area <0.2 m/s. The data expressed may vary depending on the specific conditions of the construction site: temperature, humidity, ventilation, absorbency of the substrate.

The values indicated for consumption are indicative. In practice, a higher consumption of approximately 10% should be considered. Consumption depends on the roughness and absorbent characteristics of the support, as well as the application technique.

The processing cycles indicated above do not constitute any assumption of responsibility by Nikkolor Italia s.r.l., which remains relieved of any problems originating from incorrect installations, or from interventions that do not comply with the regulations in force on the subject and the application instructions reported in the specific technical data sheets of each individual product.

The written and verbal technical-application instructions provided to buyers and applicators are based on our experiences and on the current state of the art at a theoretical and practical level; they are not binding and do not prefigure any contractual obligation or secondary commitment deriving from the purchase contract. They do not exempt the buyer from personally verifying and on his own responsibility the suitability of our products for the intended application purpose.

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