

MarbleX Mirror

TECHNICAL DATA MARBLEX MIRROR

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Description:

Nikkolor Italia revisits the ancient past and projects it toward the design of the future. This is how Marblex Mirror was born. In the expert hands of artisans, it imitates the finest and most unique marbles, capturing the soul of anyone who gazes upon it. Marblex Mirror is more than just a finish; it is a tale of passion and discovery, a journey through the mysteries of nature and the wonders of Venetian art.

Composition:

- Marblex Mirror is composed of special binders and nanoresins in an aqueous solution, inorganic pigments, very fine fillers, additives, and specific bactericides. Its innovative formulation is achieved using some of the finest raw materials, providing excellent mechanical properties, remarkable chemical resistance, an effective barrier to mold and bacteria growth, and an extraordinary ability to counteract the spread of flames and the development of smoke. It is an environmentally sustainable and advanced product, free of added *Formaldehyde and **APEO, with very low VOC content.

Fields of use:

- Ideal for covering interior and exterior walls and ceilings, intended for high-end design and renovation of public and private spaces, shopping centers, shops, bars, villas, residences, shower stalls, bathrooms, saunas, furniture, doors, and furnishing accessories, all designed to meet the furnishing needs of modern and contemporary architecture.

Main Features:

- Realistic appearance of natural marble
- Seamless, seamless surface
- Highly resistant and durable
- Suitable for interior and exterior walls, furniture, and decorative panels

Preparation:

- The product is ready to use; stir well before use.

Preparing interior walls and applying Marblex Mirror "Precious Marbles":

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and seasoned surfaces.
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. Allow the product to dry for 24 hours (+20°C);
 3. Prepare the appropriate amount of Marblex Mirror "two or more colors";
 4. Apply Marblex Mirror over the entire surface using a stainless-steel trowel with wavy, transverse movements to create the characteristic marble-like nuances of overlapping colors for approximately 2-3 m². Go back and smooth the product while still wet to flatten and blend the colors, then proceed in this manner over the entire surface;
 5. Allow to dry for 24 hours (+20°C);
 6. Using an electric polisher connected to a vacuum cleaner, apply the 1000-grit silicon carbide polishing disc and polish the entire surface. Proceed with the second polishing step using the 3000-grit polishing disc;
 7. Dilute Marblex Mirror in neutral or the desired color and draw the grain using a specific brush or a professional airbrush;
 8. Let dry for 2-4 hours (+20°C);
 9. Polish the surface again as before, using only the 3000-grit disc;
 10. Wipe the entire surface with a dry cotton cloth to remove all traces of dust.

Preparing furniture, doors, shower stalls, bathrooms, kitchen backsplashes, interior and exterior walls and applying Marblex Mirror "Precious Stones":

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and seasoned surfaces.
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. Let the product dry for 24 hours (+20°C);

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3. Prepare the appropriate amount of MarbleX Mirror "two or more colors";
4. Apply MarbleX Mirror over the entire surface using a stainless-steel trowel with wavy, transverse movements to create the characteristic marble-like shades of overlapping colors for approximately 2-3 m². Go back and smooth the product while still wet to flatten and blend the colors, then proceed in this manner over the entire surface;
5. Let it dry for 24 hours (+20°C);
6. Using an electric polisher connected to a vacuum cleaner, attach the 1000-grit silicon carbide polishing disc and polish the entire surface. Proceed with the second polishing step using the 3000-grit polishing disc.
7. Dilute MarbleX Mirror in neutral or the desired color and draw the grain using a specific brush or a professional airbrush.
8. Let dry for 2-4 hours (+20°C);
9. Polish the surface again as before, using only the 3000-grit disc;
10. Wipe the entire surface with a dry cotton cloth to remove all traces of dust;
11. After 72 hours of polishing (+20°C);
12. Apply a first coat of Vetroliquido PRP Satin using a short-haired roller (mohair) for approximately 1/2 m² and then immediately smooth the product with a stainless-steel trowel to eliminate any bubbles;
13. Let the product dry for 24 hours (+20°C);
14. Apply a second coat of Vetroliquido PRP Satin as done for the first;
15. Let the product dry for 48 hours (+20°C).

Preparing interior walls and applying MarbleX Mirror "Natural Marble":

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and seasoned surfaces.
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. Let the product dry for 24 hours (+20°C);
 3. Apply a first coat of MarbleX Mirror using a stainless-steel trowel to create classic Venetian-style spatula strokes, and proceed in this manner over the entire surface;
 4. Let it dry for 12 hours (+20°C);
 5. Apply a second coat of MarbleX Mirror over approximately 2 m², then go back and smooth the surface until it is smooth and level by tilting the stainless steel trowel;
 6. Let it 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. Proceed with the second polishing step using the 3000-grit polishing disc;
 8. Dilute MarbleX Mirror in neutral or the desired color and draw the grain using a special brush;
 9. Let dry for 2-4 hours (+20°C);
 10. Polish the surface again as before, but replace the silicon carbide polishing disc with a 3000-grit disc;
 11. Wipe the entire surface with a dry cotton cloth to remove all traces of dust.

Preparing furniture, doors, shower stalls, bathrooms, kitchen backsplashes, interior and exterior walls and applying MarbleX Mirror "Natural Marble":

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and seasoned surfaces. The effects are limitless and require specific advanced techniques to achieve the desired results.
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. Let dry for 24 hours (+20°C);
 3. Apply a first coat of MarbleX Mirror using a stainless-steel trowel to create the classic Venetian-style spatula strokes, and continue in this manner over the entire surface;
 4. Let dry for 12 hours (+20°C);
 5. Apply a second coat of MarbleX Mirror over approximately 2 m², go back and smooth the surface until it is smooth and level by tilting the stainless steel trowel;
 6. Let dry for 24 hours (+20°C);
 7. Using an electric polisher connected to a vacuum cleaner, attach the 1000-grit silicon carbide polishing disc and polish the entire surface. Proceed with the second polishing step using the 3000-grit polishing disc;
 8. Dilute MarbleX Mirror in neutral or the desired color and draw the grain using a special brush;
 9. Let dry for 2-4 hours (+20°C);

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10. Polish the surface again as before, but replace the silicon carbide polishing disc with a 3000-grit disc;
11. Wipe the entire surface with a dry cotton cloth to remove all traces of dust;
12. After 72 hours of polishing (+20°C);
13. Apply a first coat of VetroLiquido PRP Satin using a short-haired roller (mohair) for approximately 1/2 m² and then immediately smooth the product with a stainless steel trowel to eliminate any bubbles;
14. Let the product dry for 24 hours (+20°C);
15. Apply a second coat of VetroLiquido PRP Satin as done for the first;
16. Let the product dry for 48 hours (+20°C).

Preparing interior walls and applying MarbleX Mirror "Venetian Stucco Effect":

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and seasoned surfaces.
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. Let the product dry for 24 hours (+20°C);
 3. Apply a first coat of MarbleX Mirror using a stainless-steel trowel to create the classic Venetian-style trowel strokes, proceeding in this manner over the entire surface;
 4. Let it dry for 12 hours (+20°C);
 5. Apply a second coat of MarbleX Mirror over approximately 2 m², then go back and smooth the surface until it is smooth and level by tilting the stainless steel trowel;
 6. Let it dry for 12 hours (+20°C);
 7. Apply a third coat of MarbleX Mirror as you did with the second coat;
 8. Let dry for 24 hours (+20°C);
 9. Using an electric polisher connected to a vacuum cleaner, attach the 1000-grit silicon carbide polishing disc and polish the entire surface. Proceed with the second polishing step using the 3000-grit polishing disc;
 10. Wipe the entire surface with a dry cotton cloth to remove all traces of dust.

Preparation of furniture, doors, shower enclosures, bathrooms, kitchen backsplashes, interior and exterior walls and application of MarbleX Mirror "Venetian Stucco Effect":

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose, and seasoned particles.
1. Apply a single coat of NK Primer evenly over the entire surface to be treated using a short-haired roller and a brush;
 2. Let the product dry for 24 hours (+20°C);
 3. Apply a first coat of MarbleX Mirror using a stainless-steel trowel to create the classic Venetian-style spatula strokes, and proceed in this manner over the entire surface;
 4. Let it dry for 12 hours (+20°C);
 5. Apply a second coat of MarbleX Mirror over approximately 2 m², then go back and smooth the surface until it is smooth and level by tilting the stainless steel trowel;
 6. Let it dry for 12 hours (+20°C);
 7. Apply a third coat of MarbleX Mirror as you did for the second coat;
 8. Let it dry for 24 hours (+20°C);
 9. Using an electric polisher connected to a vacuum cleaner, apply the 1000-grit silicon carbide polishing disc and polish the entire surface. Proceed with the second polishing step using the 3000-grit polishing disc;
 10. Wipe the entire surface with a dry cotton cloth to remove all traces of dust;
 11. After 72 hours of polishing (+20°C);
 12. Apply a first coat of VetroLiquido PRP Satin using a short-haired roller (mohair) for approximately 1/2 m² and immediately smooth the product with a stainless-steel trowel to eliminate any bubbles;
 13. Let the product dry for 24 hours (+20°C);
 14. Apply a second coat of VetroLiquido PRP Satin as described for the first;
 15. Let the product dry for 48 hours (+20°C).

Technical data:

- Viscosity (UNI EN ISO 3219): ~ 130,000 mPa*s;
- Specific weight (UNI EN ISO 2811-1): ~ 1.5 kg/L;

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- pH: > 9.00;
- Coverage: ~6-8 m²/l in two coats;
- Appearance: paste;
- Dilution: ready to use;
- Color: White;
- Colors obtainable with toner: 32 shades;
- Total hardening: ~24 hours;
- Operating temperature: +5°C to +35°C;
- Packaging: 7 L and 2.5 L;
- Water and UV resistance with VetroLiquido PRP: ~48 hours;
- Water and UV resistance without VetroLiquido PRP: ~7 days
- Classification by end use (UNI EN 1062.1 – 4.1): Decoration and Protection;
- Classification by type of binder (UNI EN 1062.1 – 4.2): Acrylic Resin;
- State classification (UNI EN 1062.1 – 4.3): Aqueous dispersion;
- VOC classification: Complies with Legislative Decree no. 161 of 27/03/2006 (Implementation of Directive 2004/42/EC);
- UNI 8681 classification: Single-component, physically drying, opaque, water-dispersed finishing filler for masonry surfaces, based on acrylic binders; E4.C.O.A.2.A3.FA.

Helpful Tips:

- Do not apply to wet, frozen surfaces, or to repairs that are still damp;
- Do not apply in strong sunlight, strong winds, or rain;
- It is recommended to apply materials from single batches to the same facade and to arrange scaffolding to spread the product continuously until suitable technical interruptions are made;
- It is important that during application and for the following 24 hours, the temperature does not drop below +5°C and the relative humidity does not exceed 80%.
- Compliant with the UNI EN 15457 standard (resistance to fungal growth), thanks to the presence of specific broad-spectrum additives, the product prevents the formation of mold, fungi, algae, and moss over time.

*Since January 1, 2016, formaldehyde has been classified as a carcinogen in Italy. The IARC (International Agency for Research on Cancer) classifies these substances based on their harmfulness to humans.

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

The written and verbal technical and application instructions provided to purchasers and installers are based on our experience and the current state of the art in theory and practice. They are not binding and do not create any contractual obligation or secondary commitment arising from the purchase contract. They do not exempt the purchaser from personally verifying the suitability of our products for the intended application, at their own responsibility. The processing cycles indicated above do not constitute any assumption of liability by Nikkolor Italia s.r.l., which is exempt from any liability for problems arising from incorrect installation.

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