

# 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, in particular, 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 a 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.

### Preparation of interior walls and application of Marblex Mirror "Venetian Effect":

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and seasoned surfaces.
- Apply a single coat of Primer NK evenly over the entire surface to be treated using a short-haired roller and a brush.
  - Let the product dry for 24 hours (+20°C);
  - 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;
  - Let dry for 12 hours (+20°C);
  - Apply a second coat of Marblex Mirror over approximately 2 m<sup>2</sup>, then go back and sand the surface until it is smooth and level using a stainless steel trowel;
  - Let it dry for 12 hours (+20°C);
  - Using an electric polisher connected to a vacuum cleaner, attach the 1000-grit silicon carbide polishing disc and polish the entire surface;
  - Polish the surface again as before, but replace the silicon carbide polishing disc with a 3000-grit disc;
  - Apply a single coat of Cream Wax over the entire surface using a stainless steel trowel;
  - Let it dry for 12 hours (+20°C);
  - Polish the entire Cream Wax-treated surface using an electric polisher with a soft wool pad.

### Preparing interior walls and applying Marblex Mirror "Venetian Effect":

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and seasoned surfaces.
- Apply a single coat of Primer NK evenly over the entire surface to be treated using a short-haired roller and a brush.

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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 m<sup>2</sup>, 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, attach the 1000-grit silicon carbide polishing disc and polish the entire surface;
8. Polish the surface again as before, but replace the silicon carbide polishing disc with a 3000-grit disc;
9. Apply a single coat of Cream Wax to the entire surface using a stainless steel trowel;
10. Let dry for 12 hours (+20°C);
11. Polish the entire Cream Wax-treated surface using an electric polisher with the appropriate soft wool pad.

## 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 m<sup>2</sup>, 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;
  8. Polish the surface again as before, but replace the silicon carbide polishing disc with a 3000-grit disc;
  9. Dilute the MarbleX Mirror in the desired color and paint the wall using a special brush for veining;
  10. Let dry for 4 hours (+20°C);
  11. Polish the surface again as before, but replace the silicon carbide polishing disc with a 3000-grit disc.

## Preparation of furniture, doors, shower stalls, bathrooms, kitchen backsplashes, interior and exterior walls and application of MarbleX Mirror "Natural Marble":

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and seasoned. 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 m<sup>2</sup>, go back and smooth the surface until it is smooth and level by tilting the stainless steel trowel;
  6. Let dry for 12 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;
  8. Polish the surface again as before, but replace the silicon carbide polishing disc with a 3000-grit disc;
  9. Dilute the MarbleX Mirror in the desired color and paint the wall using a specific brush for veining;
  10. Let dry for 4 hours (+20°C);
  11. Polish the surface again as before, but replace the silicon carbide polishing disc with a 3000-grit disc;
  12. Apply a first coat of Vetrolíquido PRP Satin using a short-haired roller (mohair) for approximately 1/2 m<sup>2</sup>, then immediately smooth the product with a stainless-steel trowel to eliminate any bubbles;

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13. Let the product dry for 12 hours (+20°C);
14. Apply a second coat of VetroLiquido PRP Satin as done with the first;
15. Let the product dry for 48 hours (+20°C).

## **Preparation of interior walls and application of 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);
  3. Prepare the appropriate amount of MarbleX Mirror for two or more colors;
  4. Wearing latex gloves, apply MarbleX Mirror to the entire surface using your hands, using wavy, crosswise movements to create the various overlapping color facets for approximately 2-3 m<sup>2</sup>. Go back and smooth the product while it's still wet to flatten and blend the various colors. Proceed in this manner over the entire surface.
  5. Using a specific brush for veining, draw the surface to highlight the classic veining of fine marble.
  6. Let dry for 24 hours (+20°C).
  7. Sand the surface until it's smooth and level by tilting the stainless-steel trowel.
  8. Using an electric polisher connected to a vacuum cleaner, attach the 1000-grit silicon carbide polishing disc and polish the entire surface.
  9. Polish the surface again as before but changing the silicon carbide polishing disc to a 3000 grit one.

## **Preparing furniture, doors, shower enclosures, bathrooms, kitchen backsplashes, interior and exterior walls and applying MarbleX Mirror "Precious Marbles":**

- 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 the product dry for 24 hours (+20°C);
  3. Prepare the appropriate amount of MarbleX Mirror for two or more colors;
  4. Wearing latex gloves, apply MarbleX Mirror to the entire surface using your hands, using wavy, crosswise movements to create the various overlapping color facets for approximately 2-3 m<sup>2</sup>. Go back and smooth the product while it's still wet to flatten and blend the various colors. Proceed in this manner over the entire surface.
  5. Using a specific brush for veining, draw the surface to highlight the classic veining of fine marble.
  6. Let dry for 24 hours (+20°C).
  7. Sand the surface until it's smooth and level by tilting the stainless-steel trowel.
  8. Using an electric polisher connected to a vacuum cleaner, attach the 1000-grit silicon carbide polishing disc and polish the entire surface.
  9. Polish the surface again as before, but replace the silicon carbide polishing disc with a 3000-grit one.
  10. Apply a first coat of VetroLiquido PRP Satin using a short-haired (mohair) roller for approximately 1/2 m<sup>2</sup>, then immediately smooth the product with a stainless-steel trowel to eliminate any bubbles.
  11. Let the product dry for 12 hours (+20°C).
  12. Apply a second coat of VetroLiquido PRP Satin as before.
  13. 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;
- pH: > 9.00;
- Coverage: ~6-8 m<sup>2</sup>/l in two coats;
- Appearance: paste;
- Dilution: ready to use;
- Color: White;
- Colors obtainable with toner: 32 shades;
- Total hardening: ~24 hours;

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- 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.0.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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