

Ardhea

TECHNICAL DATA ARDHEA

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Description:

Ardhea is a single-layer mineral decorative coating capable of recreating the look of velvety marble, warm and soft to the touch. Its formulation with ceramic microspheres reduces the sensation of cold on the wall and provides perceived thermal comfort, making it ideal for modern, elegant, and sensorial spaces.

Composition:

- Special acrylic emulsion, a blend of natural biostable micas, ceramic microspheres, various pigments, and additives.
- A matt, non-toxic, non-yellowing decorative wall coating, permeable to water vapor, scented during application, resistant to fungi and bacteria, it is an environmentally sustainable and advanced product, containing no added *formaldehyde or **APEO, and with a very low VOC content.

Main Features:

- "Soft-touch velvety marble" aesthetic effect
- One-coat application
- Soft, warm, and visually three-dimensional texture
- Breathable, mineral formula
- Option to create color gradients and veining using an airbrush
- Also ideal for large, continuous surfaces

Areas of Use:

- Residential interior walls
- Boutiques, hotels, designer spaces
- Bathrooms and shower stalls
- Kitchens and backsplashes
- Spas, wellness centers, beauty salons
- Living areas and bedrooms

Ardhea's Advantages:

- Marble reinterpreted in a modern way: soft and warm
- Aesthetics: unique sensorial
- Consumption: moderate
- Quick application: one coat
- Professional protection: for humid environments
- Texture: elegant, refined, authentic

Substrate Preparation and Application of Ardhea Marmo Termico:

- 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 dry for 24 hours (+20°C);
 3. Apply Ardhea in a single coat with a stainless-steel trowel, using two or more colors to create natural grain, depth, and artistic nuances. As the product begins to dry, spray the surface with water using a spray bottle and lightly compact the surface using the stainless steel trowel;
 4. Effects, shadows, and color transitions can be created with an airbrush;
 5. Let dry for 6 hours (+20°C);

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Kitchen backsplashes, bathrooms, shower stalls, and areas subject to water:

1. Apply a first coat of Vetroliquido PRP using a short-haired roller (mohair) over approximately 1/2 m² and immediately smooth the product with a stainless-steel trowel to eliminate any bubbles;
2. Let the product dry for 12 hours (+20°C);
3. Apply a second coat of Vetroliquido PRP as done with the first;
4. Let the product dry for 24 hours (+20°C);

Substrate preparation and application of Ardhea Velluto Termico:

- 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 dry for 24 hours (+20°C);
 3. Apply Ardhea in a single coat using a 10 cm medium-haired roller over approximately 3-4 m², spray the surface with water using a spray bottle, and lightly smooth the surface using a stainless steel trowel;
 4. Let dry for 6 hours (+20°C);

Kitchen backsplashes, bathrooms, shower stalls, and areas exposed to water:

1. Apply a first coat of Vetroliquido PRP using a short-haired roller (mohair) over approximately 1/2 m², then immediately smooth the product with a stainless-steel trowel to eliminate any bubbles;
2. Let the product dry for 12 hours (+20°C);
3. Apply a second coat of Vetroliquido PRP as described for the first;
4. Let the product dry for 24 hours (+20°C);

Technical data:

- Final appearance: Velvety soft touch marble;
- Specific weight: 0.750 kg/L +/- 5%;
- Composition: Acrylic emulsion, mix of natural biostable micas, ceramic microspheres, additives;
- Base color: Pearl white;
- Colors obtainable with toner: 32 shades;
- Viscosity at +23°C: ≈ Thixotropic;
- pH: > 9.00;
- VOC classification: 8.6 g/l;
- Coverage: 8–14 m²/kg (variable depending on the effect);
- Application: Single coat;
- Application tools: Stainless steel trowel + airbrush;
- Dilution: Ready to use;
- Drying: 4–6 hours (at +20°C – 60% RH);
- Protection: Vetroliquido PRP Satin/Matt in two coats;
- Application temperature: +10°C and +30°C;
- Drying: Touch-dry in 2 hours, through-dry in 24 hours at 20°C;
- Cleaning of tools after use: Water;
- Packaging: 5 L - 2.5 L;
- Storage: In tightly closed original packaging and in a dry place between +5°C and +30°C;
- Washing resistance: Resistant to washing > 5000 cycles Gadner UNI 10795 UNI 10560;
- Water vapor permeability: High UNI 10795 UNI EN ISO 7783-2.

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.

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

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