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TECHNICAL DATA ARCHIMETAL

Issued on 26/10/2020 - Rev. n. 1 of 18.07.2024

Description:

The extraordinary creativity and emotional impact of Italian design blend with the mastery of the tradition of the past, giving birth to a new series of warm and important nuances that reflect luxury and elegance. The chemical composition created and developed in our laboratories, composed mainly of non-metallic alloys, recycled nano resins and fluid zirconium, all this represents a technological leap never achieved before, available in four different versions, tin, brass, bronze and copper.

Fields of use:

- Perfect for residential spaces, shops, showrooms, hotels and contract environments where you want to create a strong and refined visual impact.

Main features:

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

Preparation:

- Pour the metal powder "Comp B" in small doses into the "Comp A" and mix with an electric mixer with a special whisk until obtaining a homogeneous and lump-free paste, if necessary add drinking water until obtaining a soft paste.

Preparation and application for interior walls:

- The supports must be dry, solid, free of dust, paint, wax, oil, crumbly and seasoned parts.

1. Apply a single layer 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. Apply a single layer of ArchiMetal with a thickness of about 1 mm using a stainless steel trowel in a regular and flat manner over the entire surface to be treated;
4. Leave the product to dry for 24 hours (+20°C);
5. Using an electric polisher connected to a vacuum cleaner, place the 1000 grit silicon carbide polishing disc and polish the entire surface;
6. Polish the surface again as previously done but changing the silicon carbide polishing disc with a 3000 grit one;
7. Apply a generous layer of ProteKto EcoSilan using a short-haired Mohair roller;
8. Leave to dry for 24 hours (+20°C);
9. Polish the surface again as previously done with the silicon carbide polishing disc with a 3000 grit one;

Preparation of internal and external walls, furniture and doors and application:

- 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 to dry for 24 hours (+20°C).
3. Apply a first coat of ArchiMetal using a stainless steel trowel in a regular and even manner over the entire surface to be treated;
4. Leave the product to dry for 24 hours (+20°C);
5. Apply a second coat of ArchiMetal as done previously;
6. Leave the product to dry for 24 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 to one of 3000 grit;

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9. Apply a first layer of VetroLiquido PRP using a short-haired roller (mohair) for about 1/2 m2 and immediately afterwards smooth the product with a stainless steel trowel to eliminate any bubbles;
10. Leave the product to dry for 12 hours (+20°C);
11. Apply a second layer of VetroLiquido PRP as done for the first;
12. Leave the product to dry for 48 hours (+20°C);

Preparation and application for shower enclosures, bathrooms, kitchen backsplashes and internal and external surfaces :

- The surfaces must be dry, solid, free from dust, paint, wax, oil, crumbly and seasoned parts.

1. Lay out the 70/80 gr/m2 fiberglass mesh, taking care to position it so that it does not crease, overlap the end edges of the mesh by at least 10 cm;
2. Apply a first layer of Primer Beton using a stainless-steel trowel in a regular and even manner over the entire surface to be treated;
3. Leave the product to dry for 24 hours (+20°C);
4. Apply a second layer of Primer Beton as done previously;
5. Leave the product to dry for 24 hours (+20°C);
6. Apply a first layer of ArchiMetal using a stainless steel trowel in a regular and even manner over the entire surface to be treated;
7. Leave the product to dry for 24 hours (+20°C);
8. Apply a second layer of ArchiMetal as done previously;
9. Leave the product to dry for 24 hours (+20°C);
10. Using an electric polisher connected to a vacuum cleaner, apply the 1000 grit silicon carbide polishing disc and polish the entire surface;
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 using a short-haired roller (mohair) for about 1/2 m2 and immediately afterwards smooth the product with a stainless-steel trowel to eliminate any bubbles;
13. Leave the product to dry for 12 hours (+20°C);
14. Apply a second layer of VetroLiquido PRP as done for the first;
15. Leave the product to dry for 48 hours (+20°C);

Technical data:

- Viscosity (UNI EN ISO 3219): ~180000 mPa*s;
- Specific weight (UNI EN ISO 2811-1): ~Kg 3 (Comp. A kg 1.5 - Comp. B kg 1.5);
- Yield: ~9 m² (spatula effect);
- Dilution: ready to use or dilutable from 20% to 70% with drinking water depending on the type of processing;
- PH: ~9.00;
- Pot life Tin: 3 months in original containers with clean edges;
- Pot life Brass: 12 in original containers with clean edges;
- Pot life Bronze: 12 in original containers with clean edges;
- Pot life Copper: 12 in original containers with clean edges;
- Drying time of the layer: ~12 hours;
- Curing time for overlapping VetroLiquido PRP: ~12 hours;
- Total hardening: ~72 hours;
- Temperature of use: +10°C +30°C;
- Packaging: Comp. A 1.5 kg and Comp. B 1.5 kg;
- Resistance to water and UV rays: 10 days from final polishing;
- Classification by final use (UNI EN 1062.1-4.1): Decoration and Protection;
- Classification by type of binder (UNI EN 1062.1-4.2): Nanoresin;
- Classification by state (UNI EN 1062.1-4.3): Aqueous dispersion;
- VOC classification: Compliant with Legislative Decree no. 161 of 27/03/2006 (Implementation of Directive 2004/42/EC).

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The written and verbal technical and application instructions provided to buyers 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 imply any contractual obligation or secondary commitment arising from the purchase contract. They do not exempt the buyer from personally verifying the suitability of our products for the intended application, at their own risk. 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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