

ArchiMetal[®]

TECHNICAL DATA ARCHIMETAL

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Product description:

A new technology created to make ArchiMetal the first single-component water-based nano coating on the market, highly flexible and resistant to pressure, creates a solid covering that lasts over time. The chemical composition created and developed in our laboratories, composed purely of non-metallic alloys, recycled nano resins and fluid zirconium, all this represents a technological leap never achieved before, available in four different versions, steel/tin, gold/brass, bronze and copper. ArchiMetal can be applied for artistic or artisanal decoration of internal floors (with the necessary protection), external and internal coverings, bathrooms and shower cubicles (without protection), ceilings, furniture and furnishing accessories (with or without protection).

Preparation and application of Primer NK:

- The supports to be treated must be clean and free of detached or damaged areas;
1. Apply Primer NK using a roller and brush;
 2. The product is ready for use;
 3. On porous and/or plasterboard supports, it is necessary to dilute the Primer NK with drinking water at 20% for the first layer. After six hours, proceed with the application of the second layer without diluting the product.

Preparation of ArchiMetal:

- ArchiMetal is made up of two components, Comp. A for the paste base and Comp. B for the powder base.
- The composition is 1/1 (one part of Comp. A + one part of Comp. B)
- Pour the powder in small doses and using an electric mixer with a special whisk until you obtain a homogeneous paste without lumps.
- We recommend mixing only the quantity necessary for the surface to be treated.
- After use the product can be stored for a short period of time.

Application of ArchiMetal:

1. Apply a single layer of ArchiMetal with a thickness of approximately 1 mm using a stainless steel trowel evenly over the entire surface and leave to dry for at least 12 hours (+20°C);
2. Proceed with polishing the treated surface using 1000 and 3000 grit silicon carbide polishing discs using an electric polisher connected to a vacuum cleaner (the use of silicon carbide discs closes the pores of the product giving it more shine and permeability to waterfall).
3. After polishing it is recommended to wipe with a soft cloth to remove any traces of metal dust.

Duration of the mixed product:

1. ArchiMetal Tin: One month without adding water, in original containers with well-cleaned edges.
2. ArchiMetal Brass: Twelve months without adding water, in original containers with well-cleaned edges.

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3. ArchiMetal Bronze: Twelve months without adding water, in original containers with well-cleaned edges.
4. ArchiMetal Copper: Twelve months without adding water, in original containers with well-cleaned edges.
5. ArchiMetal OroNero: Three months without adding water, in original containers with well-cleaned edges.

Warnings and recommendations:

- Store in dry, humidity-free environments, away from sunlight;
- Operating temperature: +10°C +30°C;
- Recommended application for interiors and exteriors;
- Apply on very dry and clean supports; Cover fixtures, doors, etc. well;
- Do not apply on wet, frozen surfaces or on still damp restorations;
- Do not apply in the presence of strong sun, strong wind or rain;
- It is important that during application and in the following 24 hours the temperature does not fall below +10°C and the relative humidity does not exceed 80%

Technical data:

- Viscosity (UNI EN ISO 3219): ~180000 mPa*s;
- Specific Weight (UNI EN ISO 2811-1): ~Kg 3 (Comp. A 1.5 kg - Comp. B 1.5 kg);
- Coverage: ~8/10 m² (troweled), depending on the thickness applied the yield can decrease considerably;
- Dilution: ready to use, depending on the type of processing chosen, the product can be diluted from 20% to 70% with drinking water.
- PH: ~9.00;
- Tools: trowel, brush, spray (in the case of spray application it is necessary to use special nozzles and a stirrer to keep the product formulation in suspension);
- Colours: Tin, Brass, Bronze, Copper and BlackGold
- Layer drying time: ~6/8 hours;
- Drying time before polishing: ~12 hours;
- Curing time for overlapping ProteKto EcoSilan: ~7 days;
- Curing time for overlapping VetroLiquido PRP: ~3 days;
- Total hardening: ~72 hours;
- Resistance to water and UV rays: at least ten days from final polishing;
- Classification for final use (UNI EN 1062.1-4.1): Decoration and Protection;
- Classification by type of binder (UNI EN 1062.1-4.2): Nonoresin;
- Classification by state (UNI EN 1062.1-4.3): Aqueous dispersion;
- VOC classification: Complies with the Legislative Decree. n°161 of 03/27/2006 (Implementation of Directive 2004/42/EC);
- Storage in original, well-closed packaging and in a dry place between +5°C and +30°C.

N.B. These times shown above may vary based on the thickness of the product, humidity and environmental temperature.

The indications and methods reported may be subject to additions and/or changes over time by Nikkolor Italia s.r.l.; for any such updates, you can consult the website www.nikkolor.net. Nikkolor Italia s.r.l. is therefore responsible for the validity, currency and updating of its information only if extrapolated directly from its site. The technical data sheet is drawn up based on our best technical and application knowledge. However, as we cannot directly intervene on the conditions of the construction sites and the execution of the works, they represent indications of a general nature which do not bind our Company in any way. We therefore recommend a preventive test in order to verify the suitability of the product for the intended use.

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