

# VITA NUOVA MICRORESINA EPOSSIDICA

## SCHEDA TECNICA

Revisione : 08/07/2025

Prodotto: **Vita Nuova Microresina Epossidica**

Categoria: Smalti fondi e Impregnanti

Azienda: Loggia

### General Characteristics

Vita Nuova Microresina Epossidica is a two-component, water-based epoxy microresina for interiors with low solvent content, low thickness, for floors, walls and other surfaces.

Properties:

The product has excellent resistance to rubberized traffic, good resistance to common chemical products or substances such as engine oil, petrol, neutral, alkaline and slightly acidic detergents (such resistance is not intended for continuous immersion). Easy to apply, good aesthetic appearance, excellent wear resistance, good chemical resistance, easy to clean.

The product is suitable for environments where food is produced, processed and distributed. VITA NUOVA Microresina Epossidica complies with the UNI 11021:2002 standard "Paints and varnishes. Products and systems for painting environments with the presence of food (Test report no. 27/2016 issued by TERMOTECNICO ECO srl). to guarantee the compliance of the surfaces according to the HACCP protocol to prevent possible contamination of food.

### Use

Two-component micro resin finish suitable for concrete floors, masonry, ceramic tiles, glass, stainless steel and galvanized sheet metal.

### Preparation of the surface



#### **a) On new concrete:**

Check the state of curing of the substrate, i.e. 28 days after laying, check for the absence of excessive humidity (<4%) and efflorescence.



Clean thoroughly, wash the surface with a 10% hydrochloric acid solution to roughen the surface to promote paint adhesion.



Wait until the bubbles have disappeared from the surface, then wash with water and leave to dry.

Attention: if the surface is glossy, it will be made opaque with suitable mechanical means in order to eliminate the milk of the cement formed during the installation.

#### **b) On old concrete**

Remove all inconsistencies using the systems deemed most suitable. Warning: in the presence of oil and grease and in the lane of garages, provide for shot blasting of the support; if the surface is very absorbent, we recommend applying the high penetration primer MICROUNIFORM. Subsequently, apply VITA NUOVA Microresina Epossidica according to the instructions described

#### **c) Ceramic tiles**

Wash thoroughly with detergents or ammonia solutions.

Rinse with abundant water and dry perfectly.

Abrade the surface with special machinery and remove dust. Then, apply VITA NUOVA Microresina Epossidica according to the instructions described.

#### **d) New or old plaster**

Wait for the seasoning and drying. After careful sanding, removing any old coats of paint that are not anchored, apply the high-penetration primer MICROUNIFORM. Subsequently, apply VITA NUOVA Microresina Epossidica according to the instructions described.

#### **e) Galvanized sheet, stainless steel and glass**

Wash thoroughly with detergents and sand with suitable abrasive means. Rinse with plenty of water and dry thoroughly. Then, apply VITA NUOVA Microresina Epossidica according to the instructions described.

## **Application Methods**

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#### **Dilution**

For metal, ceramic and glass surfaces, dilute both the first and second coats by 20-25%.

For surfaces such as plaster, new and old cement or absorbent surfaces, the dilution varies depending on several factors: if the colour is dark, the product is more fluid and less covering and therefore the two coats must be diluted by 20-25%; if, on the contrary, the colour is pastel or white, you can opt for a dilution of up to 30-35% for the first coat and 20-25% for the second.

IN THIS STAGE, MECHANICAL STIRRERS SHOULD NOT BE USED BUT MIX THE WATER LITTLE AT A TIME WITH MANUAL STIRRING.

Product preparation:

Mix component A + component B + water thoroughly by hand and wait 5 minutes before applying.

**Time between coats 9-24 hours max in optimal conditions**

T °C	Range from applications	Walkability	Complete hardening
+10 °C	24 hours	3 days	12 days
+20 °C	12 h	2 days	8 days
+30 °C	8 h	2 days	6 days

**Product preparation**

Carefully mix component A + component B + water by hand and wait 5 minutes before applying.

**Painting:**

Color cards and fiches MAXXI

Specific weight:	component A 1,44 Kg/l component B 1,13 Kg/l	Kg/l
Mixing ratio:	by weight: Component A 100gr - Component B 30gr  in volume: Component A 72 cc - Component B 28 cc	
Dry residue of the mixture by volume::	50% +/-2	
Pot life (to be used within):	2 hours at 20°C.  Warning after this period do not use the product	
Theoretical yield:	10-12 m2/l per coat (thickness 55 microns) depending on the substrate. It is advisable to carry out a preliminary test on site	
Medium thickness:	55-65 microns per coat	
Appearance:	Brilliant	
Overapplication:	minimum 8 hours max 24 hours at 20 °C	

**EU limit value for VOC content:**

Cat. A/j: 140 g/l (2010). This product (A+B) contains a maximum of 10 g/l of VOC

Warning: absolutely avoid painting floors that have high humidity, salt efflorescence, damaged areas and all symptoms that indicate the presence of hydraulic counter-thrusts. Do not use the catalyzed product after two hours, do not mix it with fresh product, do not dilute it after this time. Do not overpaint once the recommended times have elapsed without good sanding. If the product is applied outdoors, it will tend to chalk without losing its resistance characteristics.

Correct ventilation: During the application and drying phase, good air circulation must be ensured, avoiding drafts. Different application of material, too high or too low air humidity and low temperatures can compromise the final appearance and cause subsequent damage. In poorly or poorly ventilated environments, the relative humidity of the air increases rapidly due to the water evaporated during application and drying. Do not introduce hot air, as this may cause condensation to form. In poorly ventilated environments, use dehumidifiers; we recommend using them a few hours before starting work.

Insufficient ventilation during the drying phase may lead to differences in the gloss of the paint.

**N.B. If you want a non-slip finish, you can sprinkle silica sand over the first coat immediately after application.**

## **Storage:**

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The unopened product, stored intact in a dry and cool place, has a storage life of not less than 24 months.



After use carefully close the package and store it upside down.

Minimum storage temperature: + 5 ° C

Maximum storage temperature: + 30 ° C

## **Safety Precautions:**

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For all information relating to the handling of the product, as well as its correct disposal, please refer to the Safety Data Sheet.

## **Warnings**

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The information contained in this sheet is provided to the best of our technical knowledge. However, these indications and suggestions cannot have the value of a guarantee for the applicator, since the conditions of use of the product are beyond our direct control. It is therefore advisable to ascertain the suitability of the product for the specific case with preliminary tests.

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