

# VITA NUOVA

## **SCHEDA TECNICA**

Revisione : 04/08/2023

Prodotto: **Vita Nuova**

Categoria: Smalti fondi e Impregnanti

Azienda: Loggia

### **General Characteristics**

Two-component water-based epoxy enamel for interiors with low solvent content, low thickness, for concrete floors. The product has excellent resistance to wheeled traffic.

### **Application**

Concrete floors, masonry, ceramic tiles, glass, stainless steel and galvanized sheet metal.

Suitable in environments where food is produced, processed and distributed. VITA NUOVA complies with the UNI 11021:2002 standard Paints and Varnishes Products and Systems for Painting Environments with the presence of food (test report n.27/2016 issued by TERMOTECH ECO srl) to guarantee the compliance of the surfaces according to the HACCP protocol to prevent possible food contamination.

### **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.

Apply 1 coat of Vita Nuova diluted 40-45% by volume with water.

Apply 1 coat of Vita Nuova diluted 20-25% by volume with water.

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

Remove all inconsistencies using the systems most suitable.

Warning: if present oil and fats and in the lane of garages provide for shot peening of the surface.

Apply a coat of Vita Nuova, diluted 40-45% by volume with water.

Apply a coat of Vita Nuova, diluted 20-25% by volume with water.

Warning: If there are micro cracks, they must be restored with suitable mortars

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

Wash thoroughly with detergents or ammonia solutions.

Rinse with abundant water and dry perfectly.

Apply a coat of Vita Nuova diluted 40-45% by volume with water.

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

Wait for curing and drying.

Accurate sanding, removing any old coats of paint that are not anchoring.

Apply a coat of Vita Nuova diluted 20-25% by volume with water.

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

Wash with detergent and abrasive stone.

Rinse with abundant water and dry perfectly.

Apply a coat of Vita Nuova, diluted 40-45% by volume with water.

## **Application Methods**

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First coat 40-45%- by volume with water

Second coat 20-25%- by volume with water

IN THIS PHASE MECHANICAL AGITATORS SHOULD NOT BE USED BUT MIX THE WATER LITTLE AT A TIME WITH MANUAL AGITATION.

Application temperature:		°C
Relative humidity of application:		
Recommended thickness:		µm per coat
Dust dry:		h

**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 L'Angelo

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	

**Storage:**



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:**

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

Property:

Vita Nuova has excellent coverage and filling. Excellent resistance to wheeled traffic, good resistance to common chemical products such as engine oil, petrol, neutral, alkaline and slightly acidic detergents (these resistances are not intended for continuous immersion).

Easy to apply, good aesthetic appearance, excellent wear resistance. Good chemical resistance, dustproof, easy to clean.

Permanent Exhibition (without simultaneous chemical attack) - Dry heat

Permanent - 50°C

Short term max 12 hours - 80°C

Short term max 6 hours - 100°C

Temporarily resistant to damp heat up to 80°C with steam washes.

**Warning:** absolutely avoid painting floors with high humidity, saline efflorescence, deteriorated areas and all the symptoms that indicate the presence of hydraulic counterthrusts. Do not use the catalysed 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 sanding well. If the product is applied externally it will tend to crumble without losing its resistance characteristics.

**Correct ventilation:** During the application and drying phase, good air circulation must be ensured, avoiding drafts. The 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 blow in hot air, as this can cause condensation to form. In rooms that are not well ventilated, use dehumidifiers; it is recommended to use it a few hours before starting work. Insufficient ventilation during the drying phase could lead to differences in the brightness of the paint.

N.B. if a non-slip finish is desired, it will be possible to sprinkle silica sand over the first coat immediately after application.

## **Warnings**

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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