

Titanium Solido

Item Code: 00034649

Solid transparent colored vinylester glue for bonding, coupling and repairs.

Titanium Solido is a solid vinylester acrylate glue, formulated to bond and laminate marble, granite, quartz and ceramics. The product, in addition to being soft and easily spreadable, provides rapid hardening (25-40 min at 25°C) and excellent stability in sunlight.

It is characterized by having excellent adhesion in a very short time, thus allowing the glued parts to be processed in a very short time even at low temperatures. The cured glue has a very smooth, shiny surface, easy to grind and polish.

To obtain the best post-polymerization performance, it is recommended to use a quantity of peroxide paste not exceeding 2%.



MAIN FEATURES

- Extra strong bonding
- Fast hardening
- High stability in sunlight
- Ideal for visible bonding

MATERIALS



Natural
stone



Quartz



Ceramics

SECONDARY FEATURES

- No halo
- Translucent and shiny after catalysis
- Easy to polish
- Easy to color

TECHNICAL FEATURES

Solid transparent vinylester glue for repairing, grouting and gluing marble, granite, agglomerates and ceramics.

PRODUCT FOR PROFESSIONAL USE ONLY

The information contained in this data sheet is based on tests carried out in our laboratories and is correct based on our experiences. This data may be changed without prior notice and is not to be considered legally relevant. It is the customer's responsibility to check the suitability of the product before use. It is the customer's obligation to verify that the use of the product complies with the laws, regulations and patents in force in the country in use.

DECLARATIONS

n.a.

INSTRUCTIONS FOR USE

Before applying the product, make sure that the material is clean, dry and free of dust. Shake the product before use. Take the necessary amount of mastic from the container and add 1-3% of hardener paste, mix vigorously and proceed with the application. Never put the putty mixed with the hardener back into the container. To correct the color of the mastic, use coloring pastes for polyester or metal oxides, before the hardener adds a quantity necessary to obtain the desired color, then complete with the catalyst to obtain the hardening. The color must be evaluated after hardening. An excess of coloring paste or powdered pigments could alter the final characteristics of the mastic.

To achieve the best color after curing, it is recommended to use a quantity of peroxide paste not exceeding 2%.

Close containers after use.

TECHNICAL DATA

Viscosity at 25°C	Thixotropic paste
Density at 25°C Kg/L	1.05
Aspect	Extra clear paste
MAstic + Hardener ratio	100 + 1/3
Gel time in mass 25°C	4' – 5'
Tacky free time at 25°C with 50% RH	25' – 40'
Tacky free time at 40°C with 10% RH	n.a.
Shore D hardness after curing at 50°C for 12h (ASTM D 2240)	78
Yellowing test in Q-Sun climatic cell 1 year indoor (light + dark + thermal shock) (ASTM D904)	Low
Minimum reaction temperature	+5°C
Minimum temperature after curing*	0°C
Maximum temperature of use after curing	+110
Workability time at 25°C (minimum time for polishing and cutting)	40' – 60'
Adhesion on white marble after 1h (CQ26 method)	7 MPa**
Adhesion on white marble after curing at 50°C for 12 hours (CQ26 method)	7 MPa**
Adhesion to granite after 1h (CQ26 method)	5 MPa**
Adhesion on granite after curing at 50°C for 12 hours (CQ26 method)	7 MPa**

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Adhesion on quartz after 1h (CQ26 method)	6 MPa
Adhesion on quartz after curing at 50°C for 12 hours (CQ26 method)	7 MPa
Adhesion on ceramic after curing at 50°C for 12 hours (CQ26 method)	10 MPa

* Test carried out at Istituto Giordano determining the flexural strength on bonded ceramic specimens coast-to-coast before and after aging with hot and cold cycles according to the internal method inspired by the UNI EN ISO 9142:2004 standard.

**Material breakage.

STORAGE AND SHELF LIFE

The product is well stored between 18-25°C away from heat, humidity, direct sunlight and in the original closed and unused containers and is guaranteed for 12 months.

SAFETY PRECAUTIONS

Glue and catalyst are chemicals. Before use, it is recommended to read the safety data sheets and notes on the label on the containers or drums.

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