

# Titanium Liquid

Item Code: 00034649

Transparent liquid vinylester glue - for repairing, grouting and gluing.

Titanium Liquid is a liquid acrylate vinylester glue, formulated to bond, repair and laminate marble, granite, quartz and ceramics. The product, in addition to having excellent transparency, provides rapid hardening (30-45min at 25°C) and excellent stability in sunlight.

It is characterized by excellent adhesion in a short time, thus allowing the glued parts to be processed in a short time, even at low ambient temperatures. The polymerized glue is smooth, shiny, easily sanded and polished.

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 gluing

## MATERIALS



Natural  
stone



Quartz



Ceramics

## SECONDARY FEATURES

- Non-alona
- Translucent and shiny after catalysis
- Easy to polish
- Easy to color

## TECHNICAL FEATURES

Transparent liquid 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.

### STATEMENTS

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 1-2% 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 adding 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 25°C (ASTM D2196)                                                                  | 300 – 400 cP       |
| Density at 25° Kg/L                                                                          | 1.00               |
| Aspect                                                                                       | Transparent liquid |
| Mastic + hardener ratio                                                                      | 100 + 1/2          |
| Gel time in mass at 25°C                                                                     | 4'30" – 5'30"      |
| Tacky free time at 25°C with 50% RH                                                          | 30' – 45'          |
| Tacky free time at 40°C with 10% RH                                                          | n.a.               |
| Workability time at 25°C (minimum time for polishing and cutting)                            | 45' – 60'          |
| Minimum reaction temperature                                                                 | +5°C               |
| Minimum temperature of use after curing                                                      | 0°C                |
| Maximum temperature of use after curing                                                      | +110°              |
| ShoreD hardness after post-curing at 50°C for 12h (ASTM D 2240)                              | 78                 |
| Qsun Climate Cell Yellowing Test 1 Year Indoor (Light + Dark + Thermal Shock) (ASTM G155-98) | Low                |
| Adhesion on white marble after 1h (CQ26 method)                                              | n.a.               |
| Adhesion on white marble after curing at 50°C for 12 hours (CQ26 method)                     | n.a.               |
| Adhesion on granite after 1h (CQ26 method)                                                   | n.a.               |
| Adhesion on granite after curing at 50°C for 12 hours (CQ26 method)                          | n.a.               |
| Adhesion on quartz after 1h (CQ26 method)                                                    | n.a.               |
| Adhesion on quartz after curing at 50°C for 12 hours (CQ26 method)                           | n.a.               |
| Adhesion on ceramic after 1h (CQ26 method)                                                   | n.a.               |
| Adhesion on ceramic after curing at 50°C for 12 hours (CQ26 method)                          | n.a.               |

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## STORAGE

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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