

## TECHNICAL DATA VL3D LIQUID GLASS 100/60

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### **Product description:**

VL3D LIQUID GLASS is a latest generation cold fusion glass, low viscosity and with remarkable hardness and crystalline color. It does not undergo variations in contact with water. It has a remarkable chemical resistance, necessary for applications in marine environments. VL3D LIQUID GLASS was created to protect and beautify floors and walls in Cemento 3D.

### **Features:**

excellent adhesion power, excellent waterproofing power, excellent resistance to UV rays, resistant in marine environments, easy application, mechanical resistance

### **Cast application:**

Before application, mix thoroughly to the bottom of the package; add and carefully mix Comp. A with Comp. B for about three minutes using a metal or wooden stick, pour the contents of the product by pouring, to remove the bubbles created during mixing, use a gas burner torch while maintaining about 10/15 cm pass the flame over the product to bring out the small air bubbles until they disappear. Do not use alcohol to remove air bubbles.

### **Roller Application:**

Before application, mix thoroughly to the bottom of the package; combine and carefully mix Comp. A with Comp. B for about three minutes using a metal or wooden stick, pour the contents into a larger container and apply the product using a Mohair roller 04, taking care to crush the product to obtain a maximum thickness of 115 µm, wait 12 hours and repeat the operation. The application thickness is important in order not to compromise the success of the work, otherwise the treated surface can form small unsightly craters, alternatively you can proceed with the application of VL3D + AD thickener.

### **VL3D + Thickener application:**

Before application, mix thoroughly to the bottom of the package; combine and carefully mix Comp. A with Comp. B for about three minutes using a metal or wooden stick, pour the contents into a larger container and pour all 50 g of the thickener and mix well until a gel is obtained uniform. The application must be performed with a stainless steel or PVC trowel on horizontal and vertical surfaces. on healthy, clean, and dry substrates. wait 12 hours and repeat the operation. N.B. with thicknesses over 3 mm the finish may be whitish.

### **Technical information:**

Excellent impregnating power, versatile, application and drying temperature between +10 and 38°C. of both the support and the surrounding environment; apply at a temperature of at least 3°C above the dew point which must be measured near the substrate to be treated. VL3D LIQUID GLASS is sensitive to the relative humidity of the air during drying; The performance will be better the lower the relative humidity of the air is during drying. If you decide to apply VL3D LIQUID GLASS in two layers, the waiting time between coats at + 20 ° C. varies between 24 hours and 6 days after which the product tends to harden excessively and must be roughened before over painting. VL3D LIQUID GLASS can also be applied "by pouring" with a thickness of 1mm up to 20 cm. If thickener is used, mix VL3D A + B well for about three minutes and immediately afterwards pour the thickener until a uniform gel is obtained. The application must be performed with a stainless steel or PVC trowel on horizontal and vertical surfaces.

### **Drying at + 20 ° C:**

Dust dries after 3 hours; hardened in 5-6 days drying is influenced by the applied thickness, ventilation, and temperature during drying; Complete drying is achieved in several days.

## Technical data:

- Casting yield: 1 kg of product per 1 mm of thickness covers an area of 1 m<sup>2</sup> (the maximum thickness that can be cast is 20 cm).
- Coverage by roller: 10 m<sup>2</sup> with a maximum thickness of 115 µm on a smooth and not very absorbent surface
- With thickener: 8/10 m<sup>2</sup> VL3D A + B + AD thickener (thickness of 100 µm on a smooth and not very absorbent surface).
- Specific gravity VL3D: 1.38 ± 0.05 at 20 ° C.
- Dry residue VL3D: 99% ± 1
- Pot-life: 2 hours at 20 ° C. (in conditions of excessive heat the pot-life can be reduced by more than 50%).
- Pot-life with AD thickener: 40 minutes at 20 ° C. (in conditions of excessive heat the pot-life can be considerably reduced).
- Store indoors, in the original sealed packaging, at a temperature between +8 and + 36 ° C.
- Cleaning of tools with alcohol

## Resistance to chemical agents:

- Resistant to marine atmospheric agents even in the presence of a chemically aggressive environment.
- Temperature resistance: dry up to + 90 ° C.

## Packaging:

- 0.750 liters VL3D (0.451 liters component A + 0.299 liters component B)
- 0.50 kg AD powder thickener
- Composition: Comp. A 100 parts - Comp. B 60 parts (100/60)

N.B. Dosage example: Comp. A gr 250X60%= 150 gr Comp. B (divide the product by weight to obtain a perfect mix, multiply component A by 60% to obtain the right amount of component B)

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