



## TECHNICAL DATA SHEET

Date of issue: 2020

### DIAMOND LIQUID GLASS COMPONENT A

#### DESCRIPTION

Two-component self-leveling epoxy resin free of solvents or water, suitable for the creation of decorative surfaces on horizontal interior surfaces, floors, tables, etc. It can box colored aggregates, 3digital prints, photos, optical fibers etc. It can also be mixed with powdery pigments such as iron oxides, glitter or cover decorative paints. Due to the absence of solvents it does not smell when it is applied. After its polymerization, it has great resistance to solvents, oxides and chemical compounds.



#### TECHNICAL CHARACTERISTICS

<b>Density (A+B)</b>	: 1,10 – 1,11(EAOT EN ISO 2811 20°C)
<b>Viscosity (A+B)</b>	: 1.200 – 1.500 mPas (ASTM D2196-86 25°C)
<b>Mixing ratio</b>	: A:B = 100:55 (100gr A mixing with 55gr B)
<b>Coverage</b>	: As a varnish or primer 100-120gr m <sup>2</sup> . As a coating of 1.1k /m <sup>2</sup> /mm thick.
<b>Drying time</b>	: Our surface for at least 6-8 hours should not come into contact with moisture. Light scattering after 24-36 hours while normal at 72. Final hardening: 7 days.
<b>Colors</b>	: Transparent
<b>Packaging</b>	: Set 0.45lt, 2t, 9lt
<b>VOC (Volatile Organic Compounds)</b>	: EU limit value for this product Category A: “j”, Type:SB, Two-pack reactive performance coatings for specific end use such as floors: 500g/l (2010). This product contains max 499g/l VOC.
<b>Painting tools</b>	: Tools and containers should be cleaned with Tetralux Solvent 810 or Acetone. When DIAMOND LIQUID GLASS dries, it can be cleaned only with mechanical means and strong solvents.
<b>Conditions of application</b>	: Do not apply at temperatures below 15°C and above 35°C.
<b>Storage</b>	: Store at temperatures from 5°C to 40°C. Close the container after every use.

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### APPLICATION

#### Stir well before use

The application surface must be horizontal, dry, and free from dust and greasy materials. On floors, we need to be sure that they are not in contact with moisture. In cement screeds the quality of the concrete must be at least C20 / 25 with a cement content of 350 kg/m<sup>3</sup>, moisture content <4% and application must be carried out at least 30 days after construction of the surface. Since DIAMOND LIQUID GLASS is self-leveling, a suitable "mold" must always be provided in the perimeter of the application surface to hold the resin.

**Attention:** Component B is completely added to A from a low height and mixed for about 2-3 minutes with a hand stirrer or at very low revolutions (up to 250 rpm) to avoid air entrapment. It is important to stir well in walls and at the bottom of the container, in order to properly homogenize. Leave the mixture for another 2-3 minutes and proceed to the application by emptying it from a low height on our surface. If we want to add dye or glitter, do it in component A before blending with B. We prefer thicknesses of up to 5 mm in order for any bubbles created to emerge. If bubbles are formed immediately after application, break them with a hot air or flame gun. Time for minor repairs up to about 50 minutes. Our surface for at least 6-8 hours should not come into contact with moisture. Light scattering after 24-36 hours while normal at 72. Ultimate ripening 7 days.

#### Warning

The above information is indicative, and anyone interested in using the product must be assured in advance that it is suitable for the intended use and in any case the user is solely responsible for any consequences resulting from the use of the product.

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### HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult TETRALUX Safety Data Sheets and follow all local or national safety regulations.