



TECHNICAL DATA SHEET

Date of issue: 2020

137 DIAMOND LIQUID GLASS A COMPONENT

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

Density (A+B)	: 1,10 – 1,11(EAOT EN ISO 2811 20°C)
Viscosity (A+B)	: 1.200 – 1.500 mPas (ASTM D2196-86 25°C)
Mixing ratio	: A:B = 100:55 (100gr A mixing with 55gr B)
Coverage	: As a varnish or primer 100-120gr m ² . As a coating of 1.1k /m ² /mm thick.
Drying time	: 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.
Colors	: Transparent
Packaging	: Set 0.45lt, 2t, 9lt
VOC (Volatile Organic Compounds)	: 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.
Painting tools	: 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.
Conditions of application	: Do not apply at temperatures below 15°C and above 35°C.
Storage	: Store at temperatures from 5°C to 40°C. Close the container after every use.

MANUFACTURE PAINTS AND VARNISHES TZELOS EV. ANASTASIOS & Co E.E.

5A SQUARE 570 22 SINDOS, INDUSTRIAL AREA OF THESSALONIKI

TEL: 2310 796110, FAX: 2310 723096, www.tetralux.gr, e-mail: contact@tetralux.gr



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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/m³, 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.

HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION (A+B)



Warning

Toxic to aquatic life with long lasting effects • Causes serious eye irritation • Causes skin irritation • May cause an allergic skin reaction • Keep out of reach of children • If medical advice is needed have product container or label at hand • Avoid breathing dust/fume/gas/mist/vapours/spray • Wash thoroughly after handling • Avoid release to the environment. • Wear protective gloves/protective clothing/eye protection/face protection • IF ON SKIN: Wash with plenty of water • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. • Dispose of contents/container in accordance with applicable regional, national and local laws and regulations

Contains epoxy constituents. May produce an allergic reaction.

Contains: reaction product: bisphenol-A-(epichlorhydrin) (MW < 700); oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Tel. POISON CENTER: 210 7793777

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137 DIAMOND LIQUID GLASS B COMPONENT

DESCRIPTION

Cycloaliphatic amine curing agent used as component B of Diamond Liquid glass.



TECHNICAL CHARACTERISTICS

Density (A+B)	: 1,10 – 1,11(EAOT EN ISO 2811 20°C)
Viscosity (A+B)	: 1.200 – 1.500 mPas (ASTM D2196-86 25°C)
Mixing ratio	: A:B = 100:55 (100gr A mixing with 55gr B)
Coverage	: As a varnish or primer 100-120gr m ² . As a coating of 1.1k /m ² /mm thick.
Drying time	: 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.
Colors	: Transparent
Packaging	: Set 0.45lt, 2t, 9lt
VOC (Volatile Organic Compounds)	: 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.
Painting tools	: 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.
Conditions of application	: Do not apply at temperatures below 15°C and above 35°C.
Storage	: Store at temperatures from 5°C to 40°C. Close the container after every use.

APPLICATION

Stir well before use

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HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION (A+B)



Danger

Harmful if swallowed • Harmful to aquatic life with long lasting effects. • Causes severe skin burns and eye damage • May cause an allergic skin reaction • Keep out of reach of children • If medical advice is needed have product container or label at hand • Wear protective gloves/protective clothing/eye protection/face protection • IF SWALLOWED: Rinse mouth. Do NOT induce vomiting • IF ON SKIN: Wash with plenty of water. • IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower • IF INHALED: Remove person to fresh air and keep comfortable for breathing • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. • Immediately call a poison center/doctor • Dispose of contents/container in accordance with applicable regional, national and local laws and regulations
Contains epoxy constituents. May produce an allergic reaction.

Contains: 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine; benzyl alcohol; 3-aminomethyl-3,5,5-trimethylcyclohexylamine
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