

Two Component Epoxy Based Solvent Free Transparent Decorative Casting Product

PRODUCT DESCRIPTION

It is a filler-free, solvent-free, transparent two-component product developed for epoxy-based 3D systems.

FEATURES

It is a transparent system suitable for thick castings (tables, benches, etc.), with very high scratch resistance and hardness.

Depending on the desired hardness, the B component ratio can be used between 40-100%.

The gelled product has a transparent appearance like glass.

Due to the long hardening time, thick castings are possible.

PRODUCT INFORMATION

Chemical Structure Component A: Modified liquid epoxy resin

Chemical Structure Component B: Modified polyamine based hardener

Color / Appearance : Transparent / Liquid

Mixing Ratio : A/B:100/40 by mass

PERFORMANCE

(23°C, 50% Relative Humidity)

Component A:

Feature	Unit	Value
Intensity 23 ± 2°C	g/ml	1,13 ± 0,02
Viscosity 23 ± 2°C	mPas	700 - 900
Appearance	Visible	transparent liquid
Color	Visible	Light Blue

Component B:

Feature	Unit	Value
Intensity 23 ± 2°C	g/ml	0,98 ± 0,02
Viscosity 23 ± 2°C	mPas	60 ÷ 80
Appearance	Visible	liquid
Color	Visible	Light Yellow

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Mixture:

Feature

	Unit	Value
Color - transparent		
Gelling time 23 ±2°C (300 gr A+B, ratio: 100:40)	Hour	approximately 24
Gelling time 23 ±2°C (300 gr A+B, ratio:100:100)	Hour	approximately 30
Gelling time 60 ±2°C (1-2 mm subtlety, A+B, ratio: 100:50)	Minute	130 - 150
Gelling time 100 ±2°C (1-2 mm subtlety , A+B, ratio: 100:50)	Minute	15 - 18
Gelling time 23 ±2°C (ratio: 100:40)	mPa s	500 - 600
Gelling time 23 ±2°C (ratio: 100:100)	mPa s	300 - 400

These values were obtained as a result of laboratory experiments carried out in our company and are valid for the performance of finished applications at the end of the full drying period. Values may change as temperature and humidity values in the construction site environment and application surfaces and areas will vary.

USAGE AREAS

It is suitable for use in decorative castings and coatings.

APPLICATION INSTRUCTIONS

All surfaces to be treated must be free of dust, oil, clean and dry. The temperature of both components, resin and hardener, during mixing and application should never be lower than 15 ° - 20 ° C. Pre-heating the molds in which the product will be applied at 35-40 ° C makes the application easier. Before mixing, it is recommended to cure the resin at 45-50 ° C for 4-6 hours. It is recommended that you carry out preliminary tests to verify whether the product is suitable for the intended purpose.

Component B is added to component A slowly with mixing. Slow mixing is important to minimize foam formation.

Recommended ratio to obtain hard product

A = 100

B = 40 (BY WEIGHT)

Starting from 15 ° C, hardening begins to occur in the mixture. At lower temperatures and high humidity, the polymerization of the product does not occur ideally. Details are available in the table in the Performance section. As the B component ratio increases, the hardening time increases.

Do not dilute the product with any solvent, water or diluent.

The addition of any other additive changes the product properties, so its use is not recommended if it does not homogenise.

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LIMITATIONS

To obtain optimum quality, please adhere to the application instructions.

PACKAGING

A Component 20 kg Bag Drum

B Component 8 kg Bag Drum

SHELF LIFE

It is 1 year from the date of production in its original packaging in moisture-free and dry environments (temperature between +15 C and +25 C). The mouth of the containers should be tightly closed when not in use. It should be kept away from moisture.

STORAGE CONDITIONS

It should be stored in its unopened original packaging in a moisture-free, dry and cool environment (temperature between +15 C and +25 C). It should not be left under direct sunlight. Components A and B can crystallize at temperatures lower than 10 °C; In this case, before using the material, heat it separately in an oven or in a double boiler at 75-85 ° C until it is completely melted. Then let it cool at room temperature. Component B, which is a hardener, is very sensitive to moisture. Avoid prolonged contact with air.

SAFETY

Avoid contact with skin and eyes. Use protective gloves, glasses, mask and clothing. In case of eye contact, consult a doctor immediately. Keep out of reach of children. Avoid skin contact. Do not swallow. Keep away from flame sources. For detailed information and recommendations, please refer to the Safety Data Sheet.

LEGAL NOTES

Our technical data sheet is DEKOSTAR LTD., which has a wide range of usage areas. ŞTİ. It has been prepared to give general information about the products and to show the technical features of the products. It is a recommendation and this information is about the correct application, ground, air, equipment, etc. It is valid under the conditions and when the products are stored under the recommended conditions.

DEKOSTAR LTD. ŞTİ. Since it cannot control the conditions under which its products are used, it does not accept any responsibility for the application result and does not guarantee it. The user of the product must test its suitability before using the product.

DEKOSTAR San. will be liable for application errors that may occur if the product is used for purposes other than its intended purpose or if the application conditions and recommendations stated above are not followed. and Tic. Ltd. Ltd. is not responsible and has the right to change the features of its products without notice. Users should always refer to the latest edition of the Product Technical Data Sheet for the relevant product.



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