



PROEPODECO 670

*Two Component Epoxy Based
Solvent Free Transparent Decorative
Casting Product*

GENERAL INFORMATION:

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

FEATURES:

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

B component ratio can be used between 40-100% according to the desired hardness.

If a hard product is desired, A:B = 100:40 ratio should be used. A very flexible product can be obtained by expanding this ratio up to A: B = 100:100. However, the drying time is extended in this case.

The gelled product has a transparent appearance like glass. Due to the long curing time, thick castings are possible.

PRODUCT INFORMATION:

Chemical Base Component A: modified liquid epoxy resin.

Chemical Base Component B : modified polyamine based hardener .

Color / Appearance Transparent

Mixing Ratio A/B:100/40 by mass

PERFORMANCE:

(23°C, 50% RH)

A Component:

<i>speck</i>	<i>Unit</i>	Value
density 23 □ 2°C	g/ml	1,13 ± 0,02
Viscosity 23 □ 2°C	mPas	700 - 900
Appearance	visible	Transparent liquid
Col	visible	Light Blue

Component B:

Property	Unit	Value
Density 23 □ 2°C	g/ml	0,98 ± 0,02
Viskozite 23 □ 2°C	mPas	60 ÷ 80
Appearance	visible	liquid
Col	visible	Light Blue



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Mixture :

Property	Unit	Value
Color	-	transparent
Gelation time 23 ±2°C (300 g A+B, ratio: 100:40)	Hour	approx. 24
Gelling time 23 ±2°C (300 g A+B, ratio: 100:100)	hour	Approx 30
Gelation time 60 ±2°C (1-2 mm thin, A+B, ratio: 100:50)	minute	130 - 150
Gelation time 100 ±2°C (1-2 mm thin, A+B, ratio: 100:50)	minute	15 -18
Mixture viscosity 23 ±2°C (ratio: 100:40)	mPa s	500 - 600
Mixture viscosity 23 ±2°C (ratio: 100:100)	mPa s	300 - 400

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

USAGE AREAS:

Suitable for decorative castings and coatings.

APPLICATION INSTRUCTIONS

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

B component is added onto A component by mixing slowly. Slow mixing is important to minimize foaming.

Casting Product

Recommended ratio to get hard product

A = 100

B = 40 (WEIGHT)

For More Flexible product:

A = 100

B = 40 -100 (WEIGHT)

Stick to these ratios.



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From 15 °C, the mixture begins to harden. 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. The higher the B component ratio, the longer the hardening time.

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

Adding another additive changes the product properties, so it is not recommended to use if it does not become homogeneous.

LIMITATIONS:

Please obey to the application instructions to obtain optimum quality.

PACKAGING:

Component A: 1kg bottle / 3kg drum / 20 kg tin package

Component B 0.4 kg bottle / 1.2 kg drum / 8 kg tin package

SHELF LIFE:

It is 1 year from the date of production in its original packaging in dry and non-humid (temperature between +15 C and +25 C) environments. The lid 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 package, in a moisture-free, dry and cool (temperature between +15 C and +25 C) environment. It should not be left under direct sunlight. Components A and B can crystallize at temperatures below 10 °C; In this case, before using the material, heat it separately in an oven or in a bain-marie at 75-85 ° C until 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.

SECURITY:

Avoid contact with skin and eyes. Use protective gloves, goggles, mask and clothing. In case of eye contact, seek medical advice 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.

DEKOSTAR San.ve Tic.Ltd. Şti. is not responsible for any application errors that may occur if the product is used for purposes other than its intended use or if the above-mentioned application conditions and recommendations are not followed. Dekostar reserves the right to change its products. Users should consider the latest edition of the Technical Data Sheet of the relevant product.