

EPOMAX 405 DEEP EXTRA CLEAR EPOXY RESIN
Technical Data Sheet (TDS)
(A+B)

Description

Epomax 405 DEEP is a two component, solvent-free ultra transparent epoxy resin.

Properties

- Extra Transparent
- Ultra UV Resistant
- Odorless
- Easy Mixing
- Suitable for LED systems
- Cristal Shine
- Solvent-Free
- Provides 5-7cm casting

Usage Areas

It can be used in table and gallow applications.

It is suitable for decoration and large object applications.

It is suitable for accessories and small objects.

It is suitable for cubic studies.

Usage

Put component A into a clean mold and add component B according to the mixing ratio. Mix in one direction until it becomes a homogeneous mixture. For coloring process, add COLORMAX pigment to your mixture and mix again until it becomes homogeneous. Make sure that the objects you will use in your work are clean, dry. After the mixing, use the vacuum machine. Allow the poured mold to dry at room temperature and standard conditions. Check the drying condition and take it out of the mold.

Packing

7,5 KG, 15 KG, 30 KG.

Technical Properties

High modulus unfilled epoxy system. The curing at room temperature plus the post-curing at moderate temperatures (50-60°C) allows high performance. Further stabilization at higher temperatures improves the thermal resistance of the components.

Solid volume: 100%

Application Degree: 15-35°C

Mix Ratio: 100:50 (2:1)

SYSTEM SPECIFICATIONS

Resin

Viscosity	20°C	IO-10-50 (EN 13702-2)	mPas	1.200 - 1.800
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Hardener

Viscosity	20°C	IO-10-50 (EN 13702-2)	mPas	10 - 15
Geletion Time	20°C	IO-10-52a (UNI 8701)	Min.	240 - 360

Resin

Colour	Ultra Clear			
Density	20°C	IO-10-51 (ASTM D 1475)	g/ml	1,06 - 1,10

Hardener

Colour	Ultra Clear			
Viscosity	20°C	IO-10-50 (EN 13702-2)	mPas	10 - 15
Density	20°C	IO-10-51 (ASTM D 1475)	g/ml	0,96 - 0,98

TYPICAL SYSTEM CHARACTERISTICS

Mix Ratio		for 100g resin	g	100:50
Pot Life	20°C (50mm;200ml)	IO-10-52	Min.	120 - 150
Exothermic Peak	20°C (50mm;200ml)	IO-10-52	°C	60
Geletion Time	20°C (1mm)	IO-10-88	hour	4-6
Demoulding Time	20°C (15ml;6mm)		hour	24-36

Important Notes and Warnings

Do not use component A or component B alone.

Do not add any other substance to the product mixture other than pigment / colorant.

Use sensitive scales when mixing. In studies conducted with incorrect mixing ratios, there may be problems of drying.

Make sure that the mold should be clean, it is recommended to work in a dust-free environment in order to get a perfect appearance in the environment where you will let the resin dry.

In case of casting more than **5-7cm** at a time due to product specifications, drying and yellowing problems may occur.

Use safety equipment and do not come into contact with your skin during your use.

You can color with powder, paste, liquid pigment.

Do not store under the sunlight the your work after casting.

Store product packages at room temperature in a closed.

The information given was shared for suggestion based on room temperature and standard conditions. Technical data may vary depending on the conditions.



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