

Description of Product

SUFFIX EP MB 600, transparent epoxy resin is 2-component and clear, suitable for tables, coffee tables, etc. It is ideal for making thick castings in one go for flat surface castings such as It is a transparent casting epoxy.

Areas of Use

It can be used to produce natural wood furniture in every concept, such as tables, coffee tables, wooden, solid wood and MDF molds.

Advantages

Contains UV additive. It is a transparent casting epoxy. It is water clear. It is suitable for decorative castings. Suitable for excellent visual properties. It is colored with pigments. It is suitable for minimum 2 cm - maximum 6 cm castings. It has a compliance report regarding food migration.

Physical Properties

Quality	Method	Properties	
		A Component	B Component
Appearance	-	Transparent, Liquid	Transparent, Liquid
Viscosity (Brookfield, mPas)	TS 5833 EN ISO 3219	1.000 - 1.500	50 - 100
Density (gr/ml, 25°C)	ASTM D1475 / DIN 53217 / ISO 2811	Mixture: 400 - 600	
Mixing Ratio	-	100	35
Hardness (Shore D)	ISO 868	80 (after 7 days)	
Thermal Resistance (°C)	TS EN ISO 11357-2	75	

* Optimum mechanical properties will be reached after 7 days at 23°C.

Application Information

Quality	Value	Standard
Pot Life (100 g A+B) (minutes)	10	-
Demolding Time (days)	2	-
Sanding Time (days)	After the massing is achieved under the determined optimum conditions, sanding is done at the end of 5 - 7 days.	-
Full Curing (days)	7	

Application Information - Surface Preparation

To achieve perfect results, the mixing ratio must be applied correctly. Changing the mixing ratio causes the surface to not dry properly and not reach its final mechanical properties. It is essential to use a scale while preparing the mixture.

The application surface must be solid. Ambient temperature should be 18 - 23 °C and humidity level should be below 50%.

Application

35 g of component B should be mixed into 100 parts by weight of component A. When weighing, component A should be weighed first and component B should be added to it. To obtain a homogeneous mixture, the components must be mixed thoroughly at low speed for 3-4 minutes. The system tends to heat up in the container it is mixed in. Only the amount of product to be applied should be mixed. Mixed product for 10-20 minutes. It can be kept in between depending on the air bubble condition. The maximum amount to be prepared at one time is 10 kg.

The application begins after making sure that the mold in which the epoxy will be poured has leakage insulation.

It is suitable for coloring with mixed epoxy, epoxy-based pigment and/or powder pigment.

Before starting casting, the material temperature must be measured with an infrared thermometer. The material temperature should be 20-23°C.

After the epoxy is mixed and poured into the mold, the warm side of the hair dryer can be held over the epoxy to remove the bubbles formed by the mixing effect.

Depending on the size of the area to be poured, the maximum product thickness that must be poured cannot exceed 3 cm.

If layered casting is to be done, the epoxy is checked by hand contact after waiting 16-20 hours after the first layer is poured at 20°C. Once the soft but non-adhesive condition is detected, the second layer is poured.

Cleaning After Application

The equipment used during application should be cleaned with a suitable solvent immediately after application.

Storing and Shelf Life

Our products are kept tightly closed at room temperature, protected from sunlight. The resin part (component A) should be at 22°C-25°C, especially during winter months. Keeping the epoxy at lower temperatures causes crystallization and in this case a clear mixture cannot be obtained. If the epoxy temperature is below 10 °C, the temperature of the material is carefully increased by 22 °C-25 °C with a water bath in the container.

It can be stored in its unopened original containers, in dry environments between 5 °C and 25 °C, for 1 year from the date of production. Material in opened buckets should be used immediately.

Packing

SUFFIX EP MB 600 25 kg set;
Component A 18.5 kg metal bucket packaging
Component B 6.5 kg plastic can

Consumption

(A+B) 1m² @ 1mm thick is 1.08 kg

Safety Precautions

SUFFIX EP MB 600 should not be smoked during its application and should be worked in well-ventilated environments, away from naked flames. It should not be forgotten that solvents are heavier than air and therefore will circulate on the ground. During application, work clothes, protective gloves, glasses and masks that comply with occupational and worker health rules should be used. Due to the irritating effects of the uncured product, the components should not be contacted with the skin or eyes. In case of contact, it should be washed with plenty of water and soap. If swallowed, consult a doctor immediately. For detailed information, please refer to the Safety Data Sheet (MSDS) or contact our technical units. Keep out of reach of children.

None of our instructions and technical specifications written herein are binding in general and EXCLUSIVELY in accordance with the protective rights of third parties and do not exempt you from the obligation to carry out the necessary examination to determine the suitability of our products. Our company is not responsible for any damages that may occur as a result of natural damage or due to use and/or product reliability or information and instructions, for whatever reason and to whatever extent.

