

Description of Product

SUFFIX EP TK 100, transparent casting epoxy resin, is 2-component and clear, and is designed to be used in decorative products, tables, coffee tables and accessory materials. It is in liquid form and transparent.

Areas of Use

Max.1cm castings, decorative miscellaneous products, tables, coffee tables, ornaments.

Advantages

It is a transparent casting epoxy. Suitable for decorative visual features. It can be colored with epoxy based paste pigments and/or powder pigments. It is suitable for castings of minimum 0.2 cm - maximum 1 cm.

Physical Properties

Quality	Method	Properties	
		A Component	B Component
Appearance	-	Transparent, Liquid	Transparent, Liquid
Viscosity (Brookfield, mPas)	TS 5833 EN ISO 3219	600 - 850	15 - 25
Density (gr/ml, 25°C)	ASTM D1475 / DIN 53217 / ISO 2811	Mixture: 450 - 750	
Mixing Ratio	-	100	25
Hardness (Shore D)	ISO 868	82 (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)	20	-
Curing Time (hours)	12	-
Full Curing (days)	2	-

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

25 g of component B must be mixed into 100 g of component A by weight. 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. The maximum mixing amount is 500 g of product. Max. Thickness is 1 cm. It is not suitable to be colored with solvent and water-based pigments.

Before mixing, the material temperature is increased by 22°C-25°C.

It is not recommended to use a heat gun as distortions may occur when a heat gun is applied to the surface. However, use of warm weather may be preferred.

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 TK 100 20 kg set;

A component 16 kg metal bucket packaging

B component 4 kg plastic drum

Consumption

(A+B) 1m² @ 1mm thick is 1.07 kg (A+B)

Safety Precautions

SUFFIX EP TK 100 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 come into contact 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.



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