

Description of Product

SUFFIX EP MHR 101, Transparent Epoxy resin is especially formulated for filling hairline cracks in wood; Our product is used to close gaps, cracks or defects in hard-to-reach areas for repair purposes. It is also used to seal the wood before casting. Apart from these, it is also used for lamination on various surfaces.

Areas of Use

Wood, marble etc. natural stone surfaces.

Advantages

It is suitable for decorative repairs. It can be colored with pigments. It has low viscosity. It is used for filling, repairing, sealing and laminating. Epoxy based paste can be colored with pigments and powder pigments.

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: 400 ± 100	
Mixing Ratio	-	100	30
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 (hours)	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

30 g of component B should 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. 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 MHR 101 1.3 kg set;

A component 1kg plastic packaging

B component 0.3 kg plastic packaging

Consumption

(A+B) 1m² @ 1mm thick is 1.07 kg

Safety Precautions

SUFFIX EP MHR 101 should not be smoked during 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.



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