

# SUFFIX EP LIGHT 150

## INDUSTRIAL

### Description of Product

SUFFIX EP LIGHT 150, transparent casting epoxy resin, is 2-component and clear, it is used as an effective epoxy in outdoor lighting and reflecting LED light.

### Areas of Use

Illuminated stones and their types, outdoor lighting in every concept.

### Advantages

It is in liquid form and transparent. 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 0.5 cm - maximum 2 cm.

### Physical Properties

Quality	Method	Properties	
		A Component	B Component
Appearance	-	Transparent, Liquid	Transparent, Liquid
Viscosity (Brookfield, mPas)	TS 5833 EN ISO 3219	500 - 550	50 - 60
Density (gr/ml, 25°C)	ASTM D1475 / DIN 53217 / ISO 2811	Mixture: 200 - 250	
Mixing Ratio	-	100	50
Hardness (Shore D)	ISO 868	78 (after 7 days)	

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

### Application Information

Quality	Value	Standard
Pot Life (100 g A+B) (minutes)	60	-
Curing Time (hours)	24	-
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.

Ambient temperature should be 18- 23 °C and humidity level should be below 50%.

### Application

50 g of component B must be mixed into 100 grams 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.

If there are a lot of air bubbles after mixing, wait 5-10 minutes. Wait for the air bubbles to disappear, then pour the mixture into suitable molds and observe its curing under atmospheric conditions

## 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 LIGHT 150 27 kg set;

A component 18 kg metal bucket packaging

B component 9 kg plastic drum

## Consumption

(A+B) 1m<sup>2</sup> @ 1 mm thick is 1.07 kg

## Safety Precautions

SUFFIX EP LIGHT 150 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.



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