

SUFFIX PU STONE 2K

INDUSTRIAL

Description of Product

SUFFIX PU STONE 2K is a transparent, polyurethane resin used as an aliphatic, 2-component stone binder.

Areas of Use

Outdoor stone carpet applications, garden and landscaping arrangements with quartz stone aggregates.

Advantages

Suitable for use indoors and outdoors. It is UV resistant. It has a long lifespan.

Physical Properties

Quality	Method	Properties	
		A Component	B Component
Appearance	-	Transparent, Liquid	Transparent, Liquid
Viscosity (Brookfield, mPas)	TS 5833 EN ISO 3219	400 ± 50	150 - 300
Density (gr/ml, 25°C)	ISO 2811-1	Mixture: 400 ± 50	
Mixing Ratio	-	100	85
Hardness (Shore D)	ISO 868	75 (After 7 days)	
Thermal Resistance (°C)	TS EN ISO 11357-1	55	

* 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 ± 5	-
Drying Time (hours)	4 - 6	-
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%. There should be no rain in open areas 24 hours before, during and 24 hours after application.

Application

85 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.

Ingredients must be measured with an infrared thermometer before mixing. The material temperature should be 20-23 °C.

The material is mixed to make it homogeneous.

After the material mixture is mixed, it is added to the quartz stone or aggregate mass using a suitable mechanical mixer. It is mixed for about 2 minutes and immediately spread to the application area.

It is important that all solid material is thoroughly soaked for the same amount of time in each batch to avoid color variations.

A flat emitter or use a flat trowel and spread it evenly on the surface in the desired thickness and press lightly to obtain a smooth and uniform surface. At this stage, thinner etc. should be applied on the surface. Thinning materials should not be used.

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. 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 PU STONE 2K 18.5 kg set;

A component 10 kg metal bucket packaging,

B component 8.5 metal bucket packaging

Consumption

It is recommended as 1 kg of mixed material per 18 kg of stone/aggregate mixture of 2-4 mm size.

Safety Precautions

SUFFIX PU STONE 2K 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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