

Description of Product

SUFFIX PU STB 23 is a new generation polyurethane-based, 2-component stone binder.

Areas of Use

Outdoor floor coverings, garden and landscaping with new generation stone binder paint chips.

Advantages

It is suitable for use indoors and outdoors. It is UV resistant. It has a long lifespan. It provides permanent shine and non-yellowing aesthetic appearance like the first day. It does not retain stains and does not cause moss formation.

Physical Properties

Quality	Method	Properties	
		A Component	B Component
Appearance	-	Transparent, Liquid	Transparent, Liquid
Viscosity (Brookfield, mPas)	TS 5833 EN ISO 3219	3500 ± 150	600 - 300
Density (gr/ml, 25°C)	ISO 2811-1	Mixture: 1200 ±100	
Mixing Ratio	-	100	33,3
Hardness (Shore D)	ISO 868	75 (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)	25 ± 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. The surface on which the mixture will be applied should be primed with SUFFIX PUR 1K.

Application

33.3 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.

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 applied to the primed surface using a trowel or roller. Colored chips are thrown onto the applied product using a spreading machine or manual spreading in the ratio and color requested by the customer, ensuring that it adheres to the surface.

48 hours after the application, excess chips on the surface are shaved off with a surface wiping machine to obtain a smooth surface. SUFFIX PUR 1K CLR product is applied to make the resulting surface shiny.

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 STB 23 10 kg set;

A component 7.5 kg metal bucket packaging

B component 2.5 metal bucket packaging

Safety Precautions

SUFFIX PU STB 23 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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