

SatePox WBP 150

Two component water base epoxy primer

Properties

SatePox WBP 150 is a transparent, water based two component epoxy resin. It is convenient for the sealing and the impregnation of different substrates. SatePox WBP 150 presents a good resistance to mechanical and short term chemical solicitation such as diluted acids, alkalis, mineral oils, deicing salts and household cleaners. Due to the great variety of chemicals, we recommend a trial test in order to determine any discoloration.

It has good bonding strength, even on slightly moist substrates, end of potlife can be easily determined. Physiologically pleasant and improves the wear and chemical resistance of substrates.

Area of applications

SatePox WBP 150 is used for impregnation and sealing of absorbant, mineral substrates, timber, marine standard plywood and boards. Impregnation (primer) for SatePox WB 160 (coloured, water dispersed two component epoxy resin).

Product Data

Base	epoxy resin
Solvents	none
Color	transparent
Consistency	liquid
Density	approx. 1,05 kg/dm ³
Mixing ratio	hardener : (upper part) resine base (lower part) 30:70
Application	brush, roller or spray
Layer thickness	depending on application
Time available for application	approx. 3 hours at +20°C
Temperature for application	+10°C through +35°C (air and substrate)
Number of coats	1 - 2
Delay between two coats	5 - 24 hours depending on temperature and humidity

Drying time	6 - 24 hours, depending on temperature and humidity
Full curing	5 - 7 days at + 20 °C
Consumption	approx. 150 g/m ² / coat
Storage	tightly closed packing
Storage life	1 year
Cleaner	water

Working instructions

Preparation of substrates

The substrate must be dry, stable and rough. Oil, grease and dust must be removed. Smoothed and cement powdered surfaces require a treatment by sandblasting or milling for otherwise the coats would flake. Non good bearing, sanding surfaces and substrates containing asphalt or tar are unsuitable.

Mixing

The upper part of the two component kit must be repeatedly pierced with a steel mandrel in order to discharge the hardener completely into the lower part of the kit. Mix at low speed with an electric drill and an attached stirrer. After mixing, the compound must not present any streaks. Therefore, particular attention must be paid to the bottom and the walls of the kit. Mixing time is 2 minutes. When decanting the mixed compound into another container, mix for 1 minute again in order to provide a safer result of the mixing.

Working instructions

Apply SatePox WBP 150 with a brush or a roller. A second coat is necessary on very porous substrates. The interval between two coats amounts to 5-24 hours, depending on substrate, consumption, ventilation and temperature. If this delay cannot be respected, broadcast silica sand on the wet first coat. Sweep the excess sand after curing prior to the application of the second coat.

Watchpoints!

When building components are still moist, fresh and uncured coats must not be exposed to solar radiation since otherwise blistering may result due to water vapor pressure. In rain or in danger of rain and at temperatures below +10°C (temperature of air and substrate), we do not recommend to apply SatePox WBP 150. High quality reaction compounds such as epoxy or polyurethane resins require a compressive strength of 30 N/mm² and a bonding strength of the concrete of J 1.5 N/mm². High temperatures and low air humidity rate will shorten the curing time. Ensure good ventilation of closed rooms. Clean the tools with water .

Consumption

The number of coats depends upon the substrate. As impregnation and sealer 1 or 2 coats are required at a rate of approx. 150 g/m²/coat.

Delivery and storage

SatePox WBP 150 is delivered in two component in 20 kg.

Can be stored dry, cool and in original sealed packing for at least 12 months.

Notes

This data sheet is based on comprehensive experiences, intends to inform to the best knowledge, is not legally binding and does not constitute a contractual legal relationship or a side obligation from the purchase agreement. We guarantee for the quality of our product under our terms and conditions of sale and purchase. In to reduce the risk of error, limiting information is also stated. We reserve the right to make changes representing technical progress. This data sheet supersedes all earlier technical data on this product.