

# SatePox PR 10

Transparent, two component solvent free epoxy resin primer

## Properties

SatePox PR 10 is a solvent free, low odor, two component epoxy resin primer for epoxy resin coats applied by brush or roller.

It has good penetration capacity and high adhesive strength on numerous substrates. The product is resistant to water, salt water, animal and vegetable oil and grease as well as to numerous diluted alkaline solutions and acids.

## Area of applications

SatePox PR10 is suitable as primer for epoxy resin coats such as for SatePox TC 120, SatePox 120 Str, SatePox SL. It is also suitable for application to concrete and floor screed and as sealer for wood and chipboards prior to fixing.

## Product Data

Base	epoxy resin
Solvents	none
Colour	transparent
Consistency	liquid
Viscosity	700-100mPas +25°C
Density	approx. 1.05 kg/dm <sup>3</sup>
Mixing ratio by weight	comp. A:75 comp. B:30
Pot life for 200 g material at +23°C (DIN 16945)	approx. 30 minutes
Application temperature	+10°C through +35°C
Application	roller, brush
Number of coats	1 to 2
Delay between two coats	2 to 10 hours
Curing time	24 hours
Consumption	250 to 300 g/m <sup>2</sup>
Cleaner	thinner AX

## Working instructions

### Mixing

Empty the component B in the component A in order to achieve a ready to use product. Mix both components in the lower container with an electric drill. Particular attention must be paid to bottom and walls of the container when mixing.

Mixing time: at least 2 minutes. Pour the mixed compounds into another empty and clean container. Mix again shortly during 1 minute. In case of use of partial quantities the mixing ratio in parts by weight shown on the container must be adhered to.

### Preparation of substrates

The substrate may be dry or slightly moist but must be stable, rough and clean as well as free from oil and grease. Smooth, sintered, polished, glazed and cement powdered surfaces are unsuitable for coating if not treated by blasting beforehand in order to provide a rough substrate.

### Application

SatePox PR 10 is richly applied by brush or by roller. In case of highly absorbent substrates, a second coat will be required. The time interval between two coats must be calculated in a way that the first coat is still tacky when applying the second one, for otherwise no adhesion between the coats can be expected. Depending on substrate, amount applied, temperature and air circulation, this time may vary from 2 to 10 hours. If it is impossible to keep this delay, a covering layer of dry silica sand must be scattered over SatePox PR 10 when still fresh. Excess sand must be removed prior to any further application.

### Time available for application

The time available for application depends on temperature and container size; for 1kg of material it is approx. 30 minutes at +23°C.

## Watchpoints

The curing reaction may result in the formation of whitish turbidities. This does not mean any quality loss of the primer. The impact of single side coats is obviously all the more adverse the higher its density and its impermeability to vapours are. Particularly frequent is a damage due to water vapour to exposed concrete surfaces as a result of the absorption of humidity by wall surfaces in contact with the soil or when the concrete is just surface dry but still moist inside prior to coating. Do not apply SatePox PR 10 less than +5°C. Epoxy or polyurethane resins require a minimum compressive strength of the concrete of 30 N/mm<sup>2</sup> and an adhesive strength of the surface of J 1.5 N/mm<sup>2</sup>.

## Consumption

The consumption depends upon the absorbency of the substrate and is approx. 250 to 500 g/m<sup>2</sup> per coat.

## Delivery and storage

SatePox PR 10 is delivered in two component in 25 kg container (set). Can be stored dry 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.