

STACOR EP HS

High-solids chemical-resistant epoxy coating.

1. Product description:

STACOR EP HS is a two-component chemical-resistant coating for steel and concrete based on epoxy resin with a low solvent content. The coating is resistant to mechanical and chemical effects, wear-resistant and resistant to vibration and impact.

2. Range of use:

STACOR EP HS is used mainly as an anti-corrosion coating for steel and concrete structures. In combination with two-component intermediate and top coats it forms multilayer coating systems with high resistance to mechanical, chemical and atmospheric attack, up to corrosivity category CX (with a long service life) according to ISO 12944-5.

3. Material properties

Colour:	Grey (or other colours to order)		
Theoretical consumption:	0.467 kg/m ² at a dry film thickness of 300 microns.		
Density:	~ 1.40 g/cm ³		
Dry residue content by volume:	90 ± 3%		
Shelf life:	12 months from the date of manufacture.		
Storage conditions:	In a cool and dry environment at temperature from -40 °C to +40 °C, in tightly sealed container, protecting from moisture and direct sunlight.		
Packaging norm and coating thickness:	STACOR EP HS (set):	20 kg (net)	
	STACOR EP HS component A:	16 kg (main component)	
	STACOR EP HS component B:	4 kg (hardener)	
	Dry film thickness	- 300 microns (1 layer)	
	Wet film thickness	- 333 microns (1 layer)	

4. Technical data

Surface preparation:	Abrasive blasting to Sa 2½ according to ISO 8501-1 (surface preparation according to ISO 12944-4), cleaning grade 2 according to GOST 9.402. Free from dirt, grease and oil.		
Preparation of material:	Stir component A mechanically before mixing. Mix components A+B carefully in the prescribed proportion before application. Comp. A : Comp. B = 4 : 1 by weight (16 kg + 4 kg). Mixing time with an electric mixer should be at least 3 minutes. Stop mixing when a homogeneous mixture is obtained.		
Application	Min 0 °C max +50 °C (applicable also at lower temperatures down to -		

temperature:	10 °C with winter hardener, the drying time is longer in this case)		
Relative humidity:	30...80 % during application. During application and drying the surface temperature should be +3 °C higher than the dew point temperature.		
Application method:	By brush, roller, high-pressure spraying and airless spraying. When applied by airless spraying: Nozzle diameter - 0,016...0,018 in. Initial pressure - 12...15 MPa		
Potlife:	At + 20 °C approx. 4 hours.		
Thinner:	Stacor thinner, or equivalent, as agreed with the supplier		
Dilution:	Generally, no dilution is necessary, but up to 7 % by weight is permissible.		
Drying conditions:		+10 °C	+20 °C
	Drying time before next layer coating	24 h	6 h
Health and safety information:	The components of the coating are combustible. Contain organic solvents.		

These data provide information on our product and its application according to the state of the art. However, they do not guarantee the properties of the product in every particular case.

Warnings on the label must be followed. Any existing industrial property rights must be observed.

We guarantee the high quality of our products within the framework of the general terms and conditions of sale for the domestic market or for export.

As our materials are regularly improved in line with market requirements, respective technical information changes as well. Please make sure that your version is up to date before application.