

STACOR MASTIC ABRASIV

High-solids epoxy top coat with active pigmentation for steel and concrete.

1. Product description:

Stacor mastic abrasiv is a two-component top coat based on an epoxy film former with active anti-corrosion pigments and a short drying time. The coating has high stability of characteristics and a long service life.

2. Range of use:

Stacor mastic abrasiv is an abrasion-resistant coating used as a stand-alone coating for the protection of steel and concrete surfaces in the splash zone and the immersion zone, including structures buried in soil (Im3, ISO 12944), and also in combined systems with polyurethane, alkyd, acrylic-urethane or epoxy topcoats for the long-term protection of steel structures and other surfaces exposed to rural, urban, industrial and coastal atmospheres up to corrosivity category C5-M according to ISO 12944.

3. Material properties

Colour:	Grey (or other colours to order)
Theoretical consumption:	0.813 kg/m ² at a dry film thickness of 500 microns.
Density:	~ 1.30 g/cm ³
Dry residue content by volume:	80 ± 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:	Stacor mastic abrasiv (set): 25 kg (net) Stacor mastic abrasiv component A: 21 kg (main component)
Coating thickness:	Stacor mastic abrasiv component B: 4 kg (hardener) Dry film thickness - 500 microns (2 layers) Wet film thickness - 625 microns (2 layers)

4. Coating systems

Systems:	Steel: 1-2 coats of Stacor mastic abrasiv to the required dry film thickness Concrete: Apply the first coat with a wide brush, working it well into the surface. Apply the second and third coats by airless spraying to the required thickness
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5. Technical data

Surface preparation:	<u>Steel:</u> <u>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. Rz 70...100 microns.</u> <u>Free from dirt, grease and oil.</u> <u>Concrete:</u> <u>Hard and matured, free from cement laitance, dust, loose areas and particles and other contamination. Concrete moisture max. 4 %.</u> <u>Abrasive blast cleaning improves adhesion; this is particularly important for underwater service.</u>			
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 volume. Mixing time with an electric mixer should be at least 3 minutes. Stop mixing when a homogeneous mixture is obtained.			
Application temperature:	Min 0 °C max +40 °C (applicable also at lower temperatures down to - 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 manufacturer			
Dilution:	Generally, no dilution is necessary, but up to 7 % by weight is permissible.			
Drying conditions:		+10 °C	+20 °C	+60 °C
	Drying time before next layer coating	8 h	4 h	30 min
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.