

STACOR TOPCOAT

Two-component acrylic-polyurethane enamel.

1. Product description:

STACOR TOPCOAT is a two-component acrylic-polyurethane resin based top enamel. The coating has high colour stability, UV resistance and a long service life.

2. Range of use:

STACOR TOPCOAT is applied on primed steel surfaces exposed to weathering, especially in case of permanent condensation, e.g. for bridges, overpasses, pipelines, cranes, steel structures, power plants as well as the external surfaces of tanks and reservoirs.

In combination with two-component epoxy primers and intermediate layers it creates coating systems with high resistance to mechanical loads and weathering, with a long service life in rural, urban, industrial and coastal atmospheres (up to corrosivity category C5) according to ISO 12944.

3. Material properties:

Colour:	According to RAL catalogue, glossy surface.	
Theoretical consumption:	0,175 kg/m ² at a dry film thickness of 80 microns.	
Density:	~ 1,20 g/cm ³	
Dry residue content by volume:	55 ± 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 TOPCOAT (set):	19 kg (net)
	STACOR TOPCOAT component A:	16 kg (main component)
	STACOR TOPCOAT component B:	3 kg (hardener)
Coating thickness:	Dry film thickness	– 80 microns (1 layer)
	Wet film thickness	– 145 microns (1 layer)

4. Technical data:

Surface preparation:	The material is applied on a previously prepared and primed surface. The surface to be painted must be dry, clean and homogenous with a temperature of at least +3°C above the dew point. A typical surface preparation includes degreasing, desalting (if necessary) and dusting of the primed surface. If the overcoating interval of the primed surface is exceeded, a set of roughness measures must be carried out.
Preparation of material:	Stir component A mechanically before mixing. Mix components A+B carefully in the prescribed proportion before application.

Comp. A : Comp. B = 16 : 3 by weight.
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 +50 °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. 3 hours.		
Thinner:	St-pur, or equivalent, as agreed with the supplier.		
Dilution:	Generally, no dilution is necessary, but up to 5 % by weight is permissible.		
Drying stage 6 (ISO 9117-5) and waiting time between coats:			
		+10 °C	+20 °C
		+30 °C	
	Drying time before next layer coating	18 h	8 h
			4 h
Health and safety information:	The components of the enamel are combustible and contain organic solvents.		

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