



RENITHERM® TC Top Coat

Renitherm® TC Top Coat, is a contamination-less semiglossy high build two-component topcoat in the Renitherm® fire protective paint system. Based on hydroxyl group containing acryl resins and aliphatic isocyanates with mica and/or micaceous iron oxide.

It has the following advantages;

1. Good resistance to ultraviolet light
2. Good weather and chemical resistance
3. High gloss resistance
4. Excellent physical properties such as impact and abrasion resistance, and sufficient hardness.
5. Excellent resistance to oil and chemicals

TECHNICAL DATA

Type	:	hydroxyl group containing acryl resins and aliphatic isocyanates with mica and/or micaceous iron oxide
Recommended Use	:	Top Coat in the Renitherm® fire protective system for steel
Mixing Ratio	:	Base : Hardener 10 : 1 (by weight) 7 : 1 RAL 9006
Colour	:	Mica-colours acc. to TL/TP ING appendix H Or according to RAL-colours or NCS-colours
VOC	:	(RAL 9010 – basis) 420 g/l in mixture
Application	:	Brushing, rolling, airless-spraying
Recommended film thickness	:	Up to 100 µm for airless spraying 40 – 70 µm for brushing
Solid content in mixture	:	approx. 53% volume, approx 69% weight (white)
Specific gravity in mixture	:	Approx 1,3 ± 0,2 g/cm ³
Coverage (theoretical)	:	approx 202 g/m ² / 80 µm (colour white)
Coverage (practical)	:	approx 320 g/m ² / 80 µm
Pot life	:	At least 6 hours at 20°C / 24 hours at 5°C
Thinner	:	Thinner 200
Drying Time at 80 µm	:	Temperature 20°C Dust free 1 hour Dry to touch 6 hrs Overcoatable 8 hrs Well cured 5 days
Condition for Application	:	Min. temp. +5°C
Viscosity	:	Approx 400 cp
Temperature stability	:	Short-term up to 150°C, constant load 120°C
VbF class	:	Comp. A + B no declaration necessary
Packing	:	Comp. A = 10 kg, Comp. B = 1 kg Comp. A = 7 kg (RAL 9006), Comp. B = 1 kg
Shelf life	:	12 month in original unopened cans

Remarks:

1. Surface preparation : The surface to be painted must be clean , free from rust, dirt, oil grease or other foreign matter using power wash, detergent, or solvent wipe.
2. In case of touching-up, sanding of paint film is required before application.

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The logo for RENITHERM, featuring a stylized red flame icon above the word "RENITHERM" in a bold, black, sans-serif font, followed by a registered trademark symbol (®).