

Technical Data Sheet
CR TOPCOAT 150
Chlorinated Rubber Enamel 1K

RELATED PRODUCTS

THIN 50

Universal solvent, slow, standard, fast

USE

- Chlorinated Rubber Enamel 1K is intended for coating of steel, cast iron and concrete surfaces exposed to atmospheric and environmental conditions in urban, rural and industrial areas.

PROPERTIES

- Excellent protective and decorative characteristics
 - Short drying time
 - Scratch resistance (SR)

SUBSTRATES				
Anti-corrosion Alkyd Primer 1K	Coat bare (previously uncoated) substrates with the primer. Sand the primer coat with a fine grain paper, P220 to P360. Remove the dust from sanding and degrease.			
Anti-corrosion Epoxy Primer 1K	Coat bare (previously uncoated) substrates with the primer. Sand the primer coat with a fine grain paper, P220 to P360. Remove the dust from sanding and degrease.			
Steel and cast iron	Coat bare (previously uncoated) substrates with the Anti-corrosion Alkyd or Epoxy Primer 1K. The steel/cast iron substrate shall be dry and free of oils, grease, dust, loose old coatings, milling scale, rust and foreign bodies. The surface shall exhibit bare metallic gloss.			
Concrete	Cure the substrate for a minimum of 30 days or until the humidity level is below 3% before coating. Mineral substrates must be built in accordance with good construction practices – they must be sound, stable and free from cracks or adhesion-reducing substances (cement or anhydrite wash, oils or lubricants). Sealing against moisture penetration is required.			
Old coatings	Mat and degrease. Test coat a small area of the old coating. If the dry coat finish is unsatisfactory, remove the old coating completely and pretreat the substrate as instructed above.			
Note: Dry sanding generates dust. Proper respiratory protection is recommended.				
MIXING RATIO				
	Coating method	Product	Volume ratio	Weight ratio
	Rollers or brushes	CR TOPCOAT 150 Universal solvent THIN 50	-	-
	Pneumatic spraying	CR TOPCOAT 150 Universal solvent THIN 50	100 30%	100 28
	Airless spraying	CR TOPCOAT 150 Universal solvent THIN 50	100 20%	100 19
VISCOSITY				
	DIN 4/20°C Pneumatic spraying	23 - 25 s		
COLOURS				
All colours in the Novol Industrial mixing system.				
VOC CONTENT				
VOC II/A/i limit*		500 g/l		
Actual VOC content		499 g/l		
* For ready to use mixture applied with a brush or roller acc. to EU Directive 2004/42/EC				

APPLICATION CONDITIONS				
<ul style="list-style-type: none"> - The substrate shall be dry. - Min. product temperature: +10°C. - The coat, coated surface and ambient temperatures must be between +5°C and +30°C. - The relative humidity must not exceed 80%. - Do not coat at high humidity (e.g. when rain, snow or fog is forecasted), on hot afternoons and/or in strong wind. <p>The application conditions determine the product layer drying time and the developed coating properties. The substrate temperature shall be 3°C higher than the ambient dew point or more.</p>				
APPLICATION				
 <p>CAUTION: Follow the equipment manufacturer's guidelines</p>		Nozzle	Pressure	Distance
	Pneumatic spraying	1.3 - 1.5 mm	2 - 4 bar	15 - 20 cm
	Airless spraying in air jacket	0.23 - 0.28 mm (0.009" - 0.011")	100 - 120 bar Air jacket 2 bar	10 - 15 cm
	Brush	Natural bristle brushes or natural and synthetic bristle brushes are recommended.		
	Roller	Velour and mohair rollers are recommended.		
<p>The spray application parameters depend on the individual performance and requirements of the tool and must be tested prior to coating.</p> <p>Caution! Verify that all corners and edges have been properly coated. Depending on the roller type, the coating may contain air bubbles which burst and form craters during drying.</p>				
	Recommended number of layers	2 Apply in more layers on complex shapes to produce a homogeneous coating thickness.		
	Overall wet layer thickness	80 - 110 µm		
	Overall dry layer thickness	35 - 55 µm		
	The yield of the ready to use mixture for the given range of dry layer thickness	12 m ² /l at 40 µm		
	Time to recoat	Recoat in up to 2 hours (wet on wet) or once the previous layer has cured, i.e. after a minimum of 5 days.		
TECHNICAL DATA				
Solids content by weight		46 - 50%		
Solids content by volume		45 - 49%		
Density		max. 1.20 g/cm ³		
Gloss (at 60°), PN-EN ISO 2813		85 - 95		
Adhesion, PN-EN ISO 2409		0 - 2		

Flexibility, PN-EN ISO 1519		min. 3
Impact strength, PN-EN ISO 6272-1		max. 25
Water resistance, PN-EN ISO 2812-2		intermittent, not resistant to permanent submersion
Temperature resistance		1 h at 60°C
DRY LEVELS		
	PN-C 81519	Time
Dust-free	Level 1	5 minutes
Tack-free	Level 3	2 hours
Ending hardness	Level 6	4 hours
CAUTION: The drying time may vary with temperature and/or humidity.		
EQUIPMENT CLEANING		
Universal thinner THIN 50 or NC solvent		
STORAGE CONDITIONS		
Store in a dry and cool room, away from sources of fire and heat at 5°C-25°C. Avoid exposure to sunlight.		
SHELF LIFE		
CR TOPCOAT 150		24 months/20°C
Universal solvent THIN 50		24 months/20°C
SAFETY		
See the Safety Data Sheet.		
OTHER INFORMATION		
Registration number: 000024104.		
<p>The effectiveness of our systems results from laboratory research and many years of experience. The data contained herein meets the current knowledge about our products and their application potential. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to perform a test application of the product due to its potentially different reaction with different materials. We may not be held liable for defects if the final result was affected by factors beyond our control.</p>		