

PRODUCT DESCRIPTION

TWO COMPONENT GLASS FLAKE EPOXY TOP COAT 52158

(CURING AGENT 20090)

RSI EPOXY TOP COAT 52158 is a two component, high solid, glass flake pigmented polyamine cured epoxy paint with good wetting properties and low water permeability. It is self-priming and forms a hard and tough coating which has good resistance against abrasion and impact as well as to seawater, mineral oils, aliphatic hydrocarbons and splashes from petrol, jet fuel.

RSI EPOXY TOP COAT 52158 very good adhesion and chemical resistance.

Standard color availability Manufactured according RAL catalogue. When exposed to direct sun light in outdoor service become discolor and decrease of gloss.

GENERAL PROPERTIES

Adhesion	Excellent to primed surfaces.
Corrosion Resistance	Excellent on correctly primed surfaces.
Temperature resistance	Dry: Maximum 140 °C. At service temperatures above 120°C/248°F, slight discoloration may be expected.

PHYSICAL PROPERTIES:

Colors/Shade No	Grey / Ral No
Finish	Semi gloss.
Volume Solid	90 ± 4%
Theoretical spreading rate	1.8 m ² /liter 500Mic. Dft.
Flash point	25 °C
Specific gravity	1.55-1.65 kg/liter
V.O.C.	Max. 100 gr/liter
Shelf life	1 Years (25°C / 77°F) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage.

MIXING

Mixing ratio (by weight)	Component A 52158 100	Component B 20090 20
Pot life	1 hours (20 °C/ 68 °F)	

APPLICATION

Conditions	Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 3 °C above the dew point.	
Method	Airless sprays	Brush (touch-up)
Thinner (max. vol.)	1051 (5%)	1051 (0%)
Spray setting		
Pump ratio minimum	30:1	
Tip size	0.045" – 0.048"	
Tip pressure	250 bar / 3600 Psi (Airless spray data are indicative and subject to adjustment)	
Cleaning of tools	Thinner 1051	
Indicated film thickness, dry	90 microns	
Indicated film thickness, wet	100 microns	

DRYING AND CURING TIMES AT (20 °C)

Dry to touch	Max.8 hour
Hard dry	24 hours
Full curing	7 days
Recoat interval, min	Min.16 hours
Recoat interval, max	30 days , see REMARKS

APPLICATION AND CURING CONDITIONS

Primed surfaces The surface must be completely clean and dry at the time of application, and its temperature must be above the dew point to avoid condensation. Minimum temperature for curing is 10°C/50°F. High humidity and/or condensation during application and the following 16 hours (20°C/68°F) may adversely affect the film formation. In confined spaces provide adequate ventilation during application and drying.

REMARKS

PRECEDING COAT: Epoxy Primer such as az 74352 and Epoxy Mid coat such as RSI 64151.

SUBSEQUENT COAT: None.

Film thickness: May be specified in another film thickness than indicated depending on purpose and area of use.

This will alter spreading rate and may influence drying time and recoating intervals. Normal range is 450-500 microns 18-20 mils.

Thinning: The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. Thinner 1051 is recommended in general.

Recoating and drying/curing time Recoating intervals related to later conditions of temperature:
(500 micron/20 mils dry film thickness of RSI 52158)

Physical data versus temperatures:					
Surface temperature		5°C/41°F	10°C/50°F	20°C/68°F	30°C/86°F
Dry to touch approx.		16 hours	10 hours	6 hours	3 hours
Resist condensing humidity/ light showers after		4 days	2 days	24 hours	12 hours
Fully cured		20 days	14 days	7 days	5 days
Recoating interval with epoxy and polyurethane top coats	Min	24 hours	16 hours	8 hours	4 hours
	Max	15 days	12 days	7 days	5 days

A completely clean surface is mandatory to ensure intercoat adhesion, especially at long recoating intervals. Any dirt, oil, and grease have to be removed, e.g. with suitable detergent.

Salts to be removed by fresh water hosing. To check an adequate quality of the surface cleaning a test patch is recommended before actual recoating.

SAFETY

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult RSI material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapors or paint mist, as well as paint contact with skin and eyes. Apply only on well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.

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Ranghay e Sanati e Iran Co.
Product data sheet 52158

RSI
COATING