

PRODUCT DESCRIPTION

AIR DRYING GLOSSY ENAMEL 51144

RSI GLOSS ENAMEL 51144 is designed for use as an alkyd topcoat available in a wide range of colors. The product is ideally suited for metal and wood, interior and exterior surfaces with good color and gloss retention.

RSI GLOSS ENAMEL 51144 can be applied as topcoat for kitchens and bathrooms, doors, window frames, furniture and woodwork in general.

Standard color availability Manufactured in accordance RAL catalogue.

GENERAL PROPERTIES

Adhesion	Good to both primed and clean surfaces.
Gloss Retention	Good in mild to medium environments.
Temperature resistance	Dry: Maximum 70 °C

PHYSICAL PROPERTIES:

Colors/Shade No	White /RAL No.	Black /RAL No.
Finish	Glossy	Glossy
Volume Solid	40%	40%
Theoretical spreading rate	10 m ² /liter 40 Mic. Dft.	10 m ² /liter 40 Mic. Dft.
Flash point	38 °C	38 °C
Specific gravity	1.15-1.25 kg/liter	1 kg/liter
V.O.C.	Max. 520 gr/liter	Max. 450 gr/liter
Shelf life	1 Year (25°C / 77°F) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage.	

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	Air spray	Brush (touch-up)
Thinner (max. vol.)	30040 (10-20%)	30040(25%)	30040 (5%)
Spray setting			
Pump ratio minimum	30:1		
Tip size	0.017” – 0.019”	1.8 mm	
Tip pressure	150 bar / 2200 Psi	4 – 5 bar	
	(Airless spray data are indicative and subject to adjustment)		
Cleaning of tools	Thinner 30040		
Indicated film thickness, dry	40 microns		
Indicated film thickness, wet	100 microns		

DRYING AND CURING TIMES AT (20 °C)

Dry to touch	Max .6 hour
Hard dry	48 hours
Full curing	15 days
Recoat interval, min	8 hours
Recoat interval, max	15 days, see REMARKS

SURFACE PREPARATION

Surface condition	The surface should be stable, firm, dry and free of dust, sand, loose old paint, dirt, grease and oil. It is recommended to apply a primer prior to top coating.
Maintenance	Touch-up with primer on areas repaired with filler is recommended prior to application of topcoats.

REMARKS

PRECEDING COAT:	Alkyd type primer such as az74144 or intermediate such as 74144.
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 30 - 40 microns/ 1.2 -1.6 mils.
Thinning:	The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. Thinner 30040 is recommended in general.
Recoating And drying/curing Time	

Physical data versus temperatures in mild atmosphere:					
Surface temperature	5°C/41°F	10°C/50°F	20°C/68°F	30°C/86°F	
Dry to touch approx.	20 hours	12 hours	6 hours	3 hours	
Resist condensing humidity/ light showers after	4 days	2 days	48 hours	12 hours	
Fully cured	-	30 days	15 days	10 days	
Recoating interval with alkyd top coat	Min	24 hours	16 hours	8 hours	6 hours
	Max	None	None	None	None

Maximum recoating interval in moderate atmosphere is 15 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 51144

RSI
COATING