

PRODUCT DESCRIPTION

AIR DRYING MIDCOAT 63144

RSI MIDCOAT 63144 is designed for use as a mid coat in alkyd painting systems. The product is ideally suited for metal and wood, interior and exterior surfaces, with good drying property.

RSI MIDCOAT 63144 can be applied as mid coat in alkyd systems for steel structures and semi flat topcoat & mid coat for kitchens and bathrooms, doors, window frames, furniture and woodwork in general.

Standard color availability Manufactured gray & beige colors.

GENERAL PROPERTIES

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

PHYSICAL PROPERTIES:

Colors/Shade No	Grey/Ral No
Finish	Flat
Volume Solid	45%
Theoretical spreading rate	9 m ² /liter 50 Mic. Dft.
Flash point	38 °C
Specific gravity	1.35-1.45 kg/liter
V.O.C.	Max. 410 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 (10-30%)	30040(25%)	30040 (5%)
Spray setting			
Pump ratio minimum	30:1		
Tip size	0.017” - 0.021”	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	45 microns		
Indicated film thickness, wet	100 microns		

DRYING AND CURING TIMES AT (20 °C)

Dry to touch	Max .2 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 mid coat.
Maintenance	Touch-up with primer on areas repaired with filler is recommended prior to application of mid coat.

REMARKS

PRECEDING COAT:	Alkyd type primer such as RSI 74144.
SUBSEQUENT COAT:	Alkyd top coat such as RSI 52144.
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 50-60 microns/ 2.4-3.2 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	10 hours	2 hours	1 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.

Mar 2010
Ranghay e Sanati e Iran Co.
Product data sheet 63144

RSI
COATING