

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

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

PHYSICAL PROPERTIES:

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| 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

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|--------------------------------------|---|------------|------------------|
| 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)

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|-----------------------------|----------------------|
| 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

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| 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

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| 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.

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Ranghay e Sanati e Iran Co.
Product data sheet 63144

RSI
COATING