



RSI
INDUSTRIAL
PAINTS Inc.

ALKYD TOPCOAT RAK-301

PRODUCT DESCRIPTION

RAK-301 is a one component oxidatively drying alkyd coating. It has a gloss finish with good gloss retention. Suitable for various industry and coastal market for both new build and maintenance projects. To be used as topcoat in atmospheric environments.

Typical use Recommended for oil production tools, disposal bins, walls, valves, ceiling and also appropriate for touch-up purposes.

PHYSICAL PROPERTIES

| | |
|----------------------------|---|
| Color | RAL No |
| Finish | Gloss |
| Volume Solid | 44±3% |
| Theoretical spreading rate | 7.4 m ² /liter 60 Mic. Dft. |
| Specific gravity | 1.15±0.1 kg/liter |
| Flash point | 36 °C |
| V.O.C. | 435 g/l |
| Shelf life | 12 months (25°C) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage. Storage environment should be ventilated and away from sunlight and high temperature (above 30 ° C). |

APPLICATION

| | | | |
|-------------------------------|--|---|---|
| Conditions | When the temperature is less than 10°C and more than 45°C, and the humidity is more than 85% the paint application should be avoided. The temperature should be above dew point to avoid condensation. The coating should not be exposed to oil, chemicals or mechanical stress until fully cured. | | |
| Method | Spray: Use airless spray or conventional spray. | Brush: Appropriate for stripe coating and small areas. Care should be taken to achieve the specified dry film thickness | Roller: Care should be taken to achieve the specified dry film thickness. |
| Thinner (max. vol.) | RTH-101 | | |
| Nozzle tip | 0.015"-0.021" | | |
| Tip Pressure | 150 bar (2100 psi) | | |
| Cleaning tool | RTH-101 | | |
| Indicated film thickness, dry | 50-80 micron | | |
| Indicated film thickness, wet | 115-180 micron | | |

DRYING AND CURING TIMES

| | |
|----------------------|---|
| Condition | Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product. |
| Surface temperature | 23 °C |
| Surface drying | 3 hours |
| Deep drying | 24 hours |
| Full drying | 2 days |
| Recoat interval, min | 16 hours |

APPLICATION CONDITIONS

Surface preparation

The surface should be free of any contamination. Before the operation, the surface should be washed with water and in the presence of oil, grease or other materials using a special solvent. It is also recommended for metal surfaces if there is a metal weld, clean up them to have a smoother surface.

| Substrate | Surface preparation | |
|-----------------|---|---|
| | Minimum | Recommended |
| Coated surfaces | Clean, dry and undamaged compatible coating | Clean, dry and undamaged compatible coating |

REMARKS

Preceding coat

Alkyd or epoxy primer.

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 30-50 microns.

Thinning

The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. RTH-101 is recommended in general.

Storage

The containers must be completely closed and kept in a dry, cool and well ventilated environment. Be careful not to have any heat source near the containers.

SAFETY

This product is intended for use of professional applicators. Applicators and operators shall use appropriate protection equipment when using this product. Use it in well ventilated environment and prevent direct contact with skin. Spillage on the skin should immediately be removed with suitable cleaner. Eye should be well flushed with water and medical cleaner.

RSI Co.

Product data sheet RAK-301

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