



RSI
INDUSTRIAL
PAINTS Inc.

ONE COMPONENT ACRYLIC PAINT (THERMOPLASTIC) RAC-302

PRODUCT DESCRIPTION

RAC-302 is a one-component, physically drying thermoplastic traffic paint that provides excellent performance in application. This coating provides excellent adhesion to concrete and asphalt substrates, exhibits exceptional resistance against abrasion and can be applied in a variety of weather conditions.

Recommended use Traffic paint for road marking, preferably with inclusion of glass beads for light reflection.

PHYSICAL PROPERTIES

Colors/Shade No	White, Yellow
Finish	Semi flat
Volume Solid	60 ± 3%
Theoretical spreading rate	1.75 m ² /liter 400 Mic. Dft.
Specific gravity	1.45±0.05 kg/liter
Flash point	27 °C
V.O.C.	Max. 447 gr/liter
Shelf life	1 Year (25°C) from time of production. Storage environment should be ventilated and away from sunlight and high temperature (above 30 °C).

APPLICATION

Conditions	The temperature of the substrate should be minimum 10 °C. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured	
Method	Airless spray	Roller
Thinner (max. vol.)	RTH-102 (5-7%)	RTH-102 (5-7%)
Pump ratio minimum	68:1	
Tip size	0.017" – 0.027"	
Tip pressure	50-100 psi	
Cleaning tools	RTH-102	
Indicated dry film thickness	350-400 micron	
Indicated wet film thickness	580-680 micron	

DRYING AND CURING TIMES

Condition	Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with: * Good ventilation (Outdoor exposure or free circulation of air) * Typical film thickness * One coat on top of inert substrate
Surface temperature	20 °C
Drying time	30-40 min
Recoat interval, min	30-40 min

APPLICATION CONDITION

Surface preparation	The surface temperature must be above 5 °C and also must be at least 3 °C above the dew point. The substrate must be sound, clean, dry and free from dust, oil, grease, laitance etc. All traces of form release agents/curing agents must be removed. Any resulting dust/loose particles must be removed.
Application	It is recommended to use glass beads during application for reflect light at night.

REMARKS

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 350-400 microns.
Thinning	The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. RTH-102 is recommended in general.
Storage	The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

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.

RSI Co.

Product data sheet RAC-302

July 2022

