

TWO COMPONENT ACRYLIC PAINT (THERMOSET) RAC-303

PRODUCT DESCRIPTION

RAC-303 is a special, quick-curing, two-component traffic paint that provides excellent adhesion to concrete and asphalt substrates, exhibits exceptional resistance against abrasion and can be applied in a variety of weather conditions. **RAC-303** is a highly durable system that allows for minimal downtime in road closures.

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

PHYSICAL PROPERTIES

Colors/Shade No White, Yellow Volume Solid (After mixing) 99±1%

 $\begin{array}{ll} \textbf{Theoretical spreading rate} & 0.5 \text{ m}^2/\text{liter at } 2000 \text{ mic. DFT.} \\ \textbf{Specific gravity} & 1.7 \pm 0.1 \text{ kg/liter (For white color)} \\ \end{array}$

Flash point 90 °C

Shelf life 9 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)

MIXING

Condition Mix component A thoroughly with a suitable mixer, then add component B slowly

and mix well for at least 1 minute.

Pot life <20 Min at 25°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 Roller Spatula

Thinner RTH-102 (If necessary, max 10%)

Cleaning tools RTH-102

Indicated film thickness, dry1500-2000 micronIndicated film thickness, wet1500-2000 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 temperature20 °CSurface drying10-15 minDeep drying30-40 minCuring60 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. A light sanding with suitable abrasive material is recommended before application. 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 1500-2000 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.



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