



Reflective Products That Save Lives

ReflectoSphere RSU 3000 Series

Retro-Reflective Polyurethane Spray Enamels

Transportation and Automotive Grade

Description

RSU 3000 Series is a single component (1K), fast drying, moisture curing, highly weather and chemical resistant enamel, which produces a retro-reflective matte finish. It may be applied to a variety of substrates, including bare galvanized steel, properly prepared and primed mild steel and aluminum, previously painted metals, bare concrete that is clean and aged at least 3 months, pavement, primed wood, cardboard and many automotive-grade plastics.

When applied as directed, the dry film produces vibrant day time colour, and at night / conditions of low visibility, will reflect point source light back to the source as brilliant white. This reflectivity is uniform, regardless of the angle of combined light source and viewing. Packaged in 4, 20, 100 and 200 liter containers.

RSA 3000 Series colors include RSA 3000 Grey; RSA 3001 Blue; RSA 3002 Green; RSA 3003 Red; RSA 3004 Fluorescent Blaze Orange; RSA 3005 Fluorescent Rocket Red; RSA 3006 Translucent Clear. They provide convenient and instant reflectivity wherever increased night time visibility is needed for safety. RSU 3000 was formulated specifically for safety applications in the reflectorizing of highway trailers, trucks, cars and vans and many other surfaces where increased durability and weathering resistance is important. Industrial uses include the production of reflective surfaces on virtually any solid substrate, reflective striping for counting, velocity or indexing and other operations where retro-reflectivity is used for sensing units.

Characteristics

Appearance:	Colored thixotropic liquids and dry film with matte finish
Viscosity @25C:	Brookfield #2 Spindle / 0.5 RPM = 12,000 cps. / 20 RPM = 800 cps.
Wt/USG:	15.0 +or- 0.10 lbs.
Specific Gravity:	1.80 +or- 0.10
Weight Solids:	71.0 +or- 1.0%
Volume Solids:	41.0 +or- 1.0%
Flash Point:	-7 to 23°C (20 - 73°F)
Dry Times:	Touch: 5 mins. / Handle: 15 mins. / Hard: 1 hour / Full Cure: 8 hours
Retro-reflectivity Rating:	5 – 55 Candella / Lux / m ² (based on color)
Theoretical Coverage:	411 ft ² / USG (10.1 m ² / litre) @ 1.6 mil DFT

Application & Precautions

- May be applied by aerosol, conventional spray or HVLP spray equipment. For conventional spray, use an agitator-type pressure pot or cup. An external mix spray nozzle, with abrasion-resistant (tungsten carbide) fluid nozzle and fluid needles should be used. For specific application recommendations, contact your ReflectoSphere Representative.
- Airless spray application should be used at the recommendation of the spray equipment manufacturer only.
- Always check for application suitability on each substrate lot and type.
- Air dry or force dry this product. Do not exceed 90°C. (194°F)
- Mix well before each use. Verify that product is fully incorporated. Agitate product frequently during use.
- Polyurethane type reducers may be used in small amounts but are normally not required.

**The information provided herein is believed to be accurate and reliable.
Specifications are subject to revision without notice.**

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