



Reflective Products That Save Lives

ReflectoSphere RSA 4000 Series

Retro-Reflective Tinted Acrylic Lacquers

Economy Grade

Description

RSA 4000 Series are fast drying, acrylic lacquers, available in a variety of colors, which produce a retro-reflective matte finish. They may be applied to a wide 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 plastics. When increased night time visibility is required temporarily, RSA 4000 Series may be applied over virtually any clean, contaminant-free solid surface. 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 4000 Series colors include RSA 4000 Grey; RSA 4001 Blue; RSA 4002 Green; RSA 4003 Red; RSA 4004 Fluorescent Blaze Orange; RSA 4005 Fluorescent Rocket Red; RSA 4006 Translucent Clear. They provide convenient and instant reflectivity wherever increased night time visibility is needed for safety. They are ideal for reflectorizing helmets, bicycles, snowmobiles, sports equipment, signs, signposts, truck, car and van accessories, house numbers and many other surfaces. 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. Conforms to California Air Resources Board (CARB 2005) regulations for VOC Content and Maximum Incremental Reactivity. (MIR) [Ozone Generation]

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:	11.7 +or- 0.10 lbs.
Specific Gravity:	1.40 +or- 0.10
Weight Solids:	51.0 +or- 1.0 %
Volume Solids:	24.0 +or- 1.0%
Flash Point:	Less than -7°C (Less than 20°F)
Dry Times:	Touch: 5 mins. / Handle: 15 mins. / Hard: 1 hour
Retro-reflectivity Rating:	5 – 55 Candella / Lux / m ² (based on color)
Theoretical Coverage:	240 ft ² / USG (5.9 m ² / litre) @ 1.6 mil DFT
VOC Content:	C.A.R.B. Reportable: 24.5% / Total: 49%
MIR (Ozone Generation Potential)	1.93

Application and 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.
- Xylene or toluene may be used in small amounts as a reducer but is 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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