



Reflective Products That Save Lives

ReflectoSphere RSA 4100 Series

Retro-Reflective Acrylic Lacquer Series Aerosol

Economy Grade – Standard Spray Can

Description

RSA 4100 Series are fast drying, acrylic lacquers, available in a variety of colors, packaged in standard 16 ounce aerosol containers and which produce a retro-reflective matte finish. (See RSA 4200 Series inverted aerosol containers) 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 4100 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.

RSA 4100 Series is ideal for safety applications in the reflectorizing of helmets, bicycles, snowmobiles, sports equipment, signs, signposts, roadway hazards, curbs, pavement, utility maintenance covers, water drains, (see 4200 Series) truck, car and van accessories, house numbers and many other surfaces. Industrial safety uses include the production of reflective surfaces on virtually any solid substrate for increased night time visibility, 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, spray mist and dry film with matte finish
Viscosity @ 25C:	Brookfield #2 Spindle / 0.5 RPM = 12,000 cps. / 20 RPM = 800 cps.
Wt/USG:	11.5 +or- 0.1 lbs.
Specific Gravity:	1.38 +or- 0.1
Weight Solids:	45.0 +or- 1.0%.
Volume Solids:	21.8 +or- 1.0%
Flash Point:	Less than -7°C (< 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:	219 ft ² / USG (5.4 m ² / litre) @ 1.6 mil DFT
VOC Content:	C.A.R.B. Reportable: 27.75% / Total: 55.0%
MIR (Ozone Generation Potential)	1.93

Application & Precautions

- Shake the container well before each use and after every 5 minutes of use. Apply several thin, even coats to the substrate, using crosscoat technique where possible. Hold can about 8 to 10 inches from the surface. Allow first coats to flash off for about 1 minute. Subsequent coats may then be applied in the same manner.
- Do not "flood" coat - thicker coats will not increase and may detract from level of reflectivity.
- 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)
- Highly flammable. Keep away from heat and flame sources. Store containers at room temperature
- Use only in well-ventilated areas and do not breath vapor.
- This product is intended for industrial or commercial use only.

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

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