



# ReflectoSphere RSA 5000

## Retro-Reflective Grey Latex Enamel

*Industrial Grade*

*Reflective Products That Save Lives*

### Description

RSA 5000 is a fast drying, single-package water-thinned, latex enamel, grey in color and which produces a retro-reflective matte finish. It 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 2000 may be applied over virtually any clean, contaminant-free solid surface. Refer to RSA 6000 Series for a retro-reflective analog of this product available in a variety of colors.

RSA 5000 is formulated with an increased level of total volume solids and 100% metallized microsphere content to ensure the brightest night time reflectivity properties in our coatings product group. When applied as directed, the dry film provides instant reflectivity when increased visibility is required at night and under conditions of low visibility, and will reflect 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 5000 is ideal for safety applications in the reflectorizing of helmets, bicycles, snowmobiles, sports equipment, signs, signposts, roadway hazards, 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

|                                   |  |
|-----------------------------------|--|
| <b>Appearance:</b>                | Light grey semi-paste and dry film with matte finish                 |
| <b>Viscosity @ 25C:</b>           | Brookfield #5 spindle: 20 RPM = 1,500 to 2,500 cps.                  |
| <b>Wt/USG:</b>                    | 13.9 +or- 1.0 lbs.   |
| <b>Specific Gravity:</b>          | 1.67 +or- 0.1  |
| <b>Weight Solids:</b>             | 59.0 +or- 1.0 %  |
| <b>Volume Solids:</b>             | 32.3 +or- 1.0%   |
| <b>Flash Point:</b>               | None   |
| <b>Dry Times:</b>                 | Touch: 10 mins. / Handle: 20 mins. / Hard: 1 hour                    |
| <b>Retro-reflectivity Rating:</b> | 60 - 65 Candella / Lux / m <sup>2</sup>                              |
| <b>Theoretical Coverage:</b>      | 324 ft <sup>2</sup> / USG (7.9 m <sup>2</sup> / litre) @ 1.6 mil DFT |
| <b>VOC Content:</b>               | Less than 1% by weight   |

### 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.
- For increased chemical and solvent resistance, contact your ReflectoSphere Representative for catalyst recommendations.
- 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.
- Product is package stable for at least six months from date of manufacture.
- DO NOT FREEZE

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

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