



ReflectoSphere RSA 7100

Retro-Reflective Acrylic Screen Process Ink

Reflective Products That Save Lives

Description

RSA 7100 is an acrylic screen process ink which produces a retro-reflective matte finish. It may be applied by conventional screen printing, without primer, to a wide variety of substrates, including bare or previously painted metals, wood, concrete, cardboard and many plastics. RSA 7100 is ideal for reflectorizing signs, signposts, truck, car and van accessories, house numbers and many other surfaces. Packaged in 4, 20, 100 and 200 liter containers.

When applied as directed, the dry film 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. The product may be tinted, using low amounts (<2%) of transparent pigment concentrates. Attractive muted shades of red, orange, brown, green, blue, purple and charcoal gray may be obtained. Contact your ReflectoSphere representative for technical assistance on suitable colorants.

Characteristics

Appearance:	Light grey thixotropic liquid and dry film
Viscosity @ 25C:	Brookfield #4 spindle: 0.5 RPM = 20,000 cps. / 20 RPM = 2,000ps.
Wt/USG:	13.75 +or- 0.10 lbs.
Specific Gravity:	1.65 +or- 0.10
Weight Solids:	56.5 +or- 1.0%
Volume Solids:	27.0 +or- 1.0%
Flash Point:	> 38°C (> 100°F)
Dry Times:	Touch: 5 mins. / Handle 15 mins. / Hard: 1 hour

Application & Precautions

- Always check printability and washability on each substrate lot and type.
- Screens: Monofilament polyester or nylon, 80 to 150 mesh. Moderate tension. Use the finest screen that gives uniform reflectivity. Heavier ink deposit will not necessarily increase reflectivity.
- Squeegee: Urethane 60 to 65 Shore A Durometer. Use sharp flat edge for fine line prints. Use bevel or "V" edge for "blotch" or large areas. Use moderate pressure.
- Technique: Off contact. Automatic press - Flood/print/flood. Manual - Flood/print 1 or 2 strokes/flood.
- May be force dried at 60 - 82°C (140 - 180°F).
- Do NOT add process clear or other additives to this ink.

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

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