



ReflectoSphere RSA 7000

Retro-Reflective Latex Textile Screen Printing Ink

Reflective Products That Save Lives

Description

RSA 7000 is our unique single package formula for apparel printing. When properly cured, on standard woven cotton fabric, it maintains over 60% of its original reflectivity, after 50 AATCC home laundry cycles. This product is easy to use, has a shelf life of over 12 months and produces excellent print quality. Pigmented solely with ReflectoSphere #1945 retro-reflective microspheres. Stabilizers and other additives are selected for clarity and washfastness; contains no fillers. RSA 7000 prints well on woven or knit cotton, poly/cotton, polyester and other porous fabrics. For printing on non-porous or coated fabrics (nylon, urethane, polyolefins), or Lycra/Spandex, please consult your ReflectoSphere representative for alternative ink recommendations. 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

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| Appearance: | Light grey semi-paste and dry film. |
| Viscosity @ 25C: | Brookfield #5 spindle: 2.5 RPM = 37,000 cps. / 5 RPM = 22,000 cps. / 10 RPM = 13,000 cps. / 20 RPM = 8,900 cps. |
| Wt/USG: | 10.0 +/- 0.10 lbs |
| Specific Gravity: | 1.2 +/- 0.10 |
| Weight Solids: | 49.0 +/- 1.0% |
| Flash Point: | None |
| Cure cycle: | 90 to 120 seconds at 160 - 170°C. (320 - 340°F) |

Application & Precautions

- If using with Infra-Red, or "Black Body" oven, experiment first, to develop correct cycle. Reflective inks require more curing time than conventional inks.
- Always check printability and washability on each fabric 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.
- Do NOT add process clear or other additives to this ink.
- Multi-color printing on dark fabrics: Apply water-thinned white blockout to entire print image area. Flash cure as directed by manufacturer. Do not use plastisol blockout.

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

ReflectoSphere Division, 2010216 Ontario Limited,
Unit 2 - 135 St. David St., South, Fergus, ON N1M 2L4
TEL: (519) 843-2138 FAX: (519) 843-2712
e-mail: sales@reflectosphere.com or techservice@reflectosphere.com
Website: www.reflectosphere.com