

## General Specification Swarcotherm Thermoplastic Pavement Marking Compound

### PRODUCT: SWARCOTHERM ALKYD BINDER

- **SPECIFICATION:** AASHTO M249 incorporating changes to meet specific state requirements
- **COMPOSITION:** A blend of glycerol ester of rosin, high boiling point plasticizers, glass beads, pigments and inert fillers

	<u>WHITE</u>	<u>YELLOW LEAD-FREE</u>
Binder	18%	18%
Pigment	10% min	N.A. Color Chip 13538, Std 595b
Glass Beads	30-40%	30-40%
Inert Filler	42% max	50% max

- **PHYSICAL PROPERTIES:**
  - Specific Gravity: 2.15 max
  - Softening Point: 200° F min
  - Color Reflectance: 75% min after heating 4 hrs at 425° F-White
  - Color Reflectance: 45% min after heating 4 hrs at 425° F-Yellow
  - Bond Strength: 300+ psi
  - Drying Time: Less than 10 min at ambient temp of 90° F, 2 min @ 50° F
- **INTERMIX GLASS BEADS:**
  - Graduation: AASHTO M-247 Type I or sized per state specification
  - Roundness: 70-80%
  - Refractive Index: 1.50
  - Crushing Resistance: 30 pounds min
- **SPECIAL HANDLING YELLOW LEAD-FREE**  
Maintain temperature range during melting and heating for yellow formulations between 400-425° F.
- **STORAGE**  
Keep product dry. Store at temperatures of less than 100° F. Protect from direct sunlight with protective covering. Shelf life is 12 months.
- **IMPORTANT NOTE:** The products described on this data sheet are manufactured in accordance with DeIDOT standard specifications.