



TECHNICAL DATA SHEET

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Endurance Granular Alkyd Thermoplastic

Description

Gentem Endurance Granular Thermoplastic, in white or yellow, is an alkyd type extruded pavement marking material. This product is lead-free. This product is used for lane markings, legends, and symbols on concrete or asphalt pavement.

Product Information

Titanium Dioxide (White)	10% minimum
Intermix Glass Beads	30-40% (AASHTO M247)
Binder Content	>19%
Dry Time	<2min
Hardness (Shore A)	>90
Softening Point (Ring and Ball)	93-121 °C, 200-250 °F
White Y Value	>75
Yellow Y Value	>45
Yellowness Index (White)	<0.12

Product shelf life is one year from the date of manufacture if stored in appropriate conditions. Product is packaged in 50lb heat degradable bags and is sold by the US ton (2,000 lbs).

Surface Preparation

The application surface must be clean and dry. Other surface preparation includes, however is not limited to cleaning and removal of sealing and curing compounds. Surfaces shall be free of dust, oil, grease, wax, rust or other deleterious materials. Prepared surface should be wider than the material line to be applied. New surfaces shall be in place minimum two weeks prior to application and all curing compounds shall be removed. Existing markings that can interfere with product performance including water-borne, solvent-borne or MMA, shall be physically removed. Product can be applied when air or surface temperatures are below 5°C (40°F), but it is recommended to warm the surface with a torch beforehand. Do not apply to wet, icy or salted roads, and paint only in dry weather.

Application

Product must be melted to an application temperature of 200-220° C (400-425° F), mixed well and applied to pavements in a molten state. Product must not be heated to temperatures greater than 232° C (450° F).

Storage

Store indoors at temperatures not exceeding 50°C (120°F), off the ground and in a dry place away from direct sunlight.

Safety

Before working with this product, the user is required to read and understand the information provided in the Safety Data Sheets and to follow the safety precautions and good industrial hygiene.