



# TECHNICAL DATA SHEET

35 Fraser Ct., Unit 2  
Barrie, ON L4N 5J5  
1-888-919-8842  
info@gentem.ca

## Preformed Thermoplastic

### Description

Gentem Preformed Thermoplastic (also referred to as: *StreetForm*, *CycleScape*, *PlayScape*) is preformed thermoplastic pavement marking material. This product is used for symbols, legends and lane markings on concrete or asphalt pavement. These products are long lasting, durable and easy to apply. They are available in all glass or traction grades depending on end use application.

### Product Information

<b>Titanium Dioxide (White)</b>	10% minimum
<b>Intermix Glass Beads</b>	30-40% (AASHTO M247)
<b>Surface Glass</b>	80% roundness AASHTO
<b>Binder Content</b>	>19%
<b>Skid Resistance</b>	>45 BPN
<b>Thickness</b>	90mil or 120mil
<b>Dry Time</b>	<10min
<b>Hardness (Shore A)</b>	>80
<b>Softening Point (Ring and Ball)</b>	93-121 °C., 200-250 °F
<b>White Y Value</b>	>75
<b>Yellow Y Value</b>	>45

Product shelf life is one year from the date of manufacture if stored in appropriate conditions.

### 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. When applying over concrete, a sealer must be used. Sealer is available from Gentem Inc. 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. Apply only in dry weather.

### Application

Product is applied by use of a gas torch with application temperature of 180-220° C (350-425° F) . When necessary, apply sealer and allow to dry prior to installation. Ensure that no gaps are present on any adjoining pieces (slightly overlay if permissible). Keep the flame 5-8 inches (13-20 cm) above the material and move in a serpentine-like manner. Always stand down wind of open flames. Scoring is unnecessary and should be avoided when possible.

### Storage

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



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### **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.