



# TECHNICAL DATA SHEET

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## Duracoat Methyl Methacrylate (MMA)

### Description

Gentem MMA is a hard-wearing cold plastic that is ideal for high traffic areas such as transverse bar markings, box junctions and mini roundabouts. MMA is fast curing, so roadways can be opened to traffic an hour after application. The cold plastic is extruded in thick liquid form, with glass beads included in the mix and applied to the surface for additional retro-reflectivity.

### Product Information

<b>Vehicle Type</b>	MMA
<b>Mix Ratio</b>	98:2
<b>Pot Life</b>	<20 min
<b>Viscosity, KU</b>	130-140KU
<b>Hardness (Shore A)</b>	>90
<b>Titanium Dioxide (White)</b>	10% minimum
<b>White Y Value</b>	>70
<b>Yellow Y Value</b>	>45

Product shelf life is 1 year from date of manufacture if stored in appropriate conditions. Product is sold in 25 kg pails.

### Surface Preparation

The application surface must be clean and dry. Other surface preparation includes, but 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 shall be physically removed. After surface preparation, the surface should be cleaned of any materials. Do not apply when air or surface temperatures are below 5°C (40°F). Do not apply to extremely hot surfaces. Do not apply to wet, icy or salted roads. Paint only in dry weather.

### Application

Pre-mix the material thoroughly with a high-speed power drill mixer. Once the material has been well mixed, the BPO Powder (the activator/catalyst) is required at 98:2 ratio (for 100g weight) at 25°C and will give approximately 10 – 15 minutes of pot life before hardening. Do not use less than 0.5% or more than 3.0% BPO, as the material does not polymerize properly outside of this range. Do not apply over existing road markings, including other MMA-based materials.

### Storage

Store above 4°C (40°F) and below 35°C (95°F), off the ground and in a dry place away from direct sunlight. Under no circumstances shall the product be permitted to freeze. Should be kept in well-ventilated area. Containers must be kept tightly closed.

### 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.