

## SEMBOL MMA BASED ROAD MARK PAINT

**Definition:** It is a two-component cold applied road marking paint with a methylated methacrylate based acrylic resin, that has high coverage, non color changing over time, good adherence to the surfaces, resistance for abrasion and friction and high UV resistance.

**Application Area:** It is used on all kinds of urban and intercity highways, pedestrian crossings, airports and et cetera, also on asphalt and concrete surfaces, especially on pedestrian crossings, stop and speed break lines where traffic safety is important. With its 2-4 mm application film thickness, it provides good performance and strength in very heavy traffic and pedestrian circulation. It enables pedestrian and vehicle traffic flows with its fast drying feature. It creates different images with different application types such as spreading, laying and profiling.

**Application:** : Surfaces to be applied should be removed from blistered and loose textured layers and free powder. Dust, dirt and oil on the surface should be cleaned. The application surface must be absolutely dry. Never apply on damp or wet surfaces. The first component and the second component of the Sembol Two Component MMA Road Mark Paint are mixed homogeneously with the help of a drill. The paint that has entered it's reaction is applied in 1 layer with a roller, steel trowel or special application apparatus and tools, without drying in a maximum of 7 minutes. If desired ,in order to ensure night visibility, glass beads can be sprinkled on the surface of the paint homogeneously before drying.

### Technical Properties :

General Information	
Apperance	Matt-looking, cold road marking paint
Chemistry	Methylated methacrylate based acrylic resin
Density	~1,95 gr/cm <sup>3</sup>
Second Component	50% dibenzoylperoxide
Second Component Mixing Rate	4 gr for 1 kg
Thinning Rate	Ready to use
Colours	White, Yellow and all Colours are available
Application Information	
Application Temperature	at 20°C, %50 RH
Drying Time	30-50 minutes ( at 20 °C, %50 RH)
Coverage	2-4 m <sup>2</sup> /Kg. (Paint)
Application Thickness	2-5 mm
Layers	Single layer
Application Tools	Roller, Steel Trowel, Special Application Tools and Apparatus

### Issues to be Considered During Application

- \* Before use, the first component paint should be mixed until it becomes homogeneous in the box.
- \* Second Component hardener product is added at the rate of 4-5 gr for 1 kg.
- \* The prepared and reacted mixture should be used without drying within maximum 7 minutes.
- \* Surface problems may occur in applications performed in environments below + 5°C and above +35 °C.
- \* Application surfaces should be dry and clean.
- \* Application should be done according to the stated Application specifications.
- \*Not thinned, it is ready to use

**Storage:** One (1) year under proper storage conditions in unopened packaging.

**Packaging:** A+B= 25 Kg

**Safety Warnings:**

S2 Keep out of the reach of children.  
S7 / 9 Keep container tightly closed and in a well-ventilated place.  
S16 Keep away from sources of ignition. - No smoking.  
S23 Do not breathe vapor.  
S24 / 25 Avoid contact with eyes and skin.  
S29 Do not empty into drains.  
S37 / 39 Wear suitable gloves, safety glasses and mask.  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S51 Use only in well-ventilated areas.

**Risk Warnings:**

R10 Flammable.  
  
R20 Harmful by inhalation.  
  
R38 Irritating to skin.  
  
R48 Danger of serious damage to health under prolonged exposure.  
  
R65 Harmful: May cause lung damage if swallowed  
  
R67 Vapors can cause drowsiness and dizziness.

**Hazardous Warnings:**

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 Causes allergic skin reactions.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H330 May be fatal if inhaled.  
H332 Harmful by inhalation.  
H400 Very toxic in the aquatic environment.  
H410 Long lasting, very toxic effect in the aquatic environment.  
H411 Long lasting, toxic effect in the aquatic environment.  
H412 Long lasting, harmful effect in aquatic environment.  
H225 Easily flammable liquid and vapor.  
H226 Flammable liquid and vapor.

**Precautionary Warnings:**

P210 Keep away from heat / sparks / flames / hot surfaces. - No smoking.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.  
P303 + P361 + P353 If in contact with skin (or hair): Immediately remove / remove all contaminated clothing. Rinse your skin with water / shower.  
P308 + P313 Get medical attention / care if exposed or interacted.  
P370 + P378 In case of fire: Use foam, carbon dioxide, dry powder or water for extinction.  
P403 + P235 Store in a well-ventilated place. Keep it cold.  
P501 Dispose of contents / container according to national regulations.

