



Road Guard 2K

Product Description

A high-performance, solvent-free, two-component methyl methacrylate (MMA) road marking paint designed for long-lasting visibility and mechanical resistance. Suitable for highways, urban roads, parking lots, and industrial zones.

Product uses:

- Lane markings on asphalt and concrete.
- Pedestrian crossings, arrows, symbols, and safety zones.
- High-traffic areas requiring rapid return to service.

Distinctive Features and Advantages

- Rapid curing, even at low temperatures
- Excellent adhesion to asphalt and concrete
- UV-resistant and weatherproof
- High mechanical and chemical resistance
- Compatible with reflective glass beads

TECHNICAL PROPERTIES

Color:	White, yellow, or custom colors
Density:	1.50–1.70 kg/ltr (Based on the color)
Volume Solids:	100 %
Spreading Rate:	1 m ² / ltr (0.66 m ² /kg)
Shore Hardness:	D 70–80
Moisture Sensitivity:	No
Adhesion Strength:	>2.5 MPa
VOC Content:	<50 g/L
Glass Bead Compatibility:	Yes
Curing Time:	~30 minutes (walkable)
Service Temperature:	-40°C to 90°C
Application Temperature:	Between -10°C to 35°C

Application Details

Application method:	Trowel
Mixing Ratio:	98:2 (resin:BPO powder)
Pot Life:	10–15 minutes (at 20°C)
Thinner:	DO Not Thin

Surface Preparation:

Concrete surfaces must be clean, dry, sound, and properly roughened before applying MMA coatings. Mechanical preparation is essential to ensure strong adhesion and long-term durability.



Application

- Surface must be clean, dry, and free of dust, oil, or loose particles
- Prime porous substrates with **Top Prime MMA 2011**
- Mix resin with BPO powder thoroughly before application
- Apply using airless spray, roller, or trowel depending on marking type
- Drop-on glass beads immediately after application for reflectivity

PRECEDING COAT:

➤ Top Prime MMA 2011 (For Concrete & porous surfaces)

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- The surface should be protected from moisture and rain for 8-10 hours after application.
- All application tools and equipment should be cleaned with thinner immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a Temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.

Shelf life & Storage:

6 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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