

Introducing Crimson Rise MMA Road Paint (in short: **Crimson MMA**), a premium Methyl Methacrylate (MMA) pavement marking material designed for extreme durability at intersections, walkways, and more. It is available in three (3) different product grades—Screed, Spray, and Rollable—to achieve your desired texture and thickness of the coating. **Crimson MMA** is cured and harden by adding powdered Benzoyl Peroxide (BPO) at 1% - 2% by weight into the paint. No heating is required.

Basic Information

Features	:	i. Highly durable & high performance ii. Fast curing speed iii. Superior adhesion to concrete and asphalt pavement surfaces
Usage	:	For road painting, highly suitable for high traffic area.
Pack Size	:	4.5L tin / 18L tin (Comes with BPO Hardener, packed separately)

Composition

Binder	:	Poly (Methyl-Methacrylic) Resin
Pigment	:	Organic and inorganic pigments, mineral extenders
Thinner	:	MMA Thinner

Technical Data

Solid (% by weight)	:	> 99% (Cured)
Pot Life	:	10 mins (Depends on temperature and humidity)
Drying Time	:	Touch dry 15 – 20 mins (Depends on temperature and humidity) Hard dry <30 mins (Depends on temperature and humidity)
Density	:	Screed Grade = Approx. 2 kg/L
Typical Coverage	:	Screed Grade = 2.5 - 3.2 kg/m ² (Depends on the type/ surface condition & etc.)

Storage Method

Keep cool in a dry, covered protected area between 25°C – 35°C and must be stored out of direct sunlight. Product is stable for at least 12 months when stored properly.

Application Method

Crimson MMA - Spray Grade can be applied using spray machine or roller; **Crimson MMA - Screed Grade** must be applied using screed box or screed machine and thickness can be adjusted based on desired finishes. **Crimson MMA - Rollable Grade** is applied by using either squeegee or roller or both at the same time depends on the type of surface, desired surface texture and coating thickness. To enhance the slip-resistant of the painted surface, suitable aggregates can be added.

Dosage of BPO catalyst can be adjusted based on surrounding temperature but adding too less BPO catalyst may cause the paint to remain wet and uncured. Suggested dosage of BPO catalyst in hot climate like Malaysia: **1.5 - 2% by weight**.

Surface Preparation

The surface must be clean, dry, and free from dirt, and any defective or poorly adhering materials. For painted surface, remove all loose, defective, and unstable paint or, as well as any dust and foreign materials on the surface.