



GT ROADPLAST ROLL ON

Product Specification

Various Colours including:

CAP RW – *GT Roadplast Roll On White*
CAP RB – *GT Roadplast Roll On Black*
CAP RY – *GT Roadplast Roll On Yellow*
CAP RR – *GT Roadplast Roll On Red*
CAP RG – *GT Roadplast Roll On Green*
CAP RBL – *GT Roadplast Roll On Blue*

GT Roadplast Roll On is a two component cold curing methacrylate based roadmarking compound. Roadplast is a 100% solid product as it cures by polymerisation. There is no evaporation of solvent involved in the curing process. The applied wet film thickness is the same as the dry (cured) film thickness.

GT Roadplast Roll On, because it is based on acrylic polymer and high quality pigments, has excellent exterior durability and wear properties that qualify it as a long life roadmarking material.

GT Roadplast Roll On is produced in a range of colours commonly used for walkways, strips, school zone, signs, and bicycle and bus lanes.

Surface Preparation

The condition of the road surface is important if maximum service life is to be achieved from the *GT Roadplast Roll On* roadmarking. The road surface to be coated must be dry and free of any grease, oil, dirt, gravel, flaking pavement materials and any loose foreign materials. The temperature of the surface should ideally be above 10°C. If the surface has been previously marked or treated (such as the application of curing compounds with concrete) then a compatibility check should be carried out to establish if any surface preparation is necessary.

The following points require special consideration:

- New bituminous surfaces should be allowed to age for at least four weeks
- Concrete surfaces should be primed with *GT Roadplast Primer P1* (Product Code: MCAP1)
- Do not coat over thermoplastic marking
- Check compatibility over any previous markings

Application

GT Roadplast Roll On requires the thorough incorporation of a powdered initiator, *Dibenzoyl Peroxide*, added, which should be between 0.5% and 3.0% by weight of the *GT Roadplast Roll On*. (Consult the table at the end of the application section for the amount of *Dibenzoyl Peroxide* (Product Code: MCAP2) required).

Ensure the *GT Roadplast Roll On* is well mixed and homogeneous before adding the *Dibenzoyl Peroxide* powder.

If the temperature of the *GT Roadplast Roll On* and the road surface are similar the pot life will be about half the curing time of the marking.

The *Dibenzoyl Peroxide* powder is added to the *GT Roadplast Roll On* and thoroughly dispersed just before it is application.

GT Roadplast Roll On can be applied with a cheap polyester fibre paint roller which is then discarded after use.

GT COLD APPLIED PLASTIC

The customer will often specify the thickness of the coating and the amount of non-skid aggregate or spherical glass beads to be applied to the coating.

GT Roadplast Roll On can be applied as a single coat with or without the addition of non-skid aggregate or spherical glass beads or as a two coat system where the aggregate was sealed in with a top coat.

Dibenzoyl Peroxide Powder Addition

The recommended amount of the *Dibenzoyl Peroxide* powder to be added to the *GT Roadplast Roll On* base or top coat is between 0.5 and 3.0 percent by weight.

The table below is a guide to the amount of the *Dibenzoyl Peroxide* powder addition required by indicating how the pot life and curing time of the *GT Roadplast Roll On* base and top coat is affected by the temperature and the amount of *Dibenzoyl Peroxide* powder added.

Temperature (°C)	Hardener (% by Weight)	Pot Life (Mins)	Curing Time (Mins)
10>	3.0	15	55
20>	1.5	10	45
30>	0.7	15	40

Transport and Storage

Refer to product Material Safety Data Sheet (MSDS).

Packaging

25kg (≈16L) pail

13kg (≈8L) pail

Additional Information

Please contact GT Industries Pty Ltd if you require:

- An MSDS
- Pricing and availability
- Or more specific information on this product or other products in the wide range of products manufactured by GT Industries specifically for the roadmarking industry.

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