



SPRAYABLE DEGADUR SP1

Material description

Cold applied plastic road marking compound formulated from Degadur P.M.M.A. resin and inert fillers and conforming to the colour luminance requirements of A.S. 4049.2.1994. Glass beads to A.S. 2009 coated with Di-Benzol peroxide form an integral part of the system and are applied immediately after spraying.

Preparation

The road surface shall be dry and free of grease, dirt, gravel and other loose or foreign materials. If the material is to be applied over existing markings the markings must be in a sound condition free from flaking or chipping. Coating over thermoplastic is not recommended as with ageing the thermoplastic tends to crack and lift from the road surface.

Special conditions

1. Must not be applied at thickness above 500 microns unless activated beads are pressure applied.
2. Must not be applied to road surfaces above 30⁰C unless beads can be applied immediately.

Note: (a) Neither of these conditions pose a problem with Linemarking as the maximum recommended thickness of product application is 500 microns, beads are applied immediately and with roadliners beads are usually pressure applied.

(b) In hand spraying applications it is essential these conditions are met otherwise the following problems may occur:

- (i) At material thickness above 500 microns the activated beads may not have time to sink through the material and effect a full cure. This results in crusting of the marked surface leaving uncured product below. This results in a poor bond to the road surface and reduced life of the marking. Further, this uncured product will migrate to the surface of the marking under traffic causing surface dirtying.
- (ii) At road surface temperatures above 30⁰C the monomer in the resin will begin to flash off immediately after spraying. Excessive monomer loss will cause the product to dry rather than cure, resulting in a much reduced marking life.

Application

Degadur SP1: Airless spray.

Activated Beads: Hand sprinkling or pressured bead dispenser.

Recommended thickness

Edge lines:	0.60 mm
Centre lines, lane lines:	1.00 mm
Road markings in medium traffic area:	1.00 mm
Turning lanes:	2.00 mm
Road markings in heavy traffic areas:	2.00 mm

Recommended application rate

- (1) 0.6 mm thick markings
Sprayable Degadur SP1: 0.3 litres / square metre
Activated glass beads: 0.6 kg / square metre
- (2) 1.0 mm thick markings
Sprayable Degadur SP1: 0.5 litres / square metre
Activated glass beads: 1.0 kg / square metre
- (3) 2.0 mm thick markings
Sprayable Degadur SP1: 1.0 litres / square metre
Activated glass beads: 2.0 kg / square metre

Note: (a) If desired, greater skid resistance can be achieved by adding 10-20% bikoret or crushed quartz to the activated glass beads.

(b) 2mm thick markings are built up by double coating, i.e. spray 1 coat of 0.5 litres / square metre of sprayable Degadur SP1 and dust with activated glass beads at rate of 1.0 kg / square metre and immediately re coat at the same rate.

(c) It is recommended after curing is effected and before trafficking begins that surplus beads are swept or blown from the marking to avoid the possibility of loose beads indenting the coating and giving a greyish effect to the marking. Due to the product's hard wearing properties it may take 12 months for these craters to disappear and allow the marking to regain full whiteness.

Ref:TCP Product Sheets\SP1 spec sheet.doc(hg)