



# SPRAYABLE DEGADUR SP2

## LONG LIFE ROAD MARKING COMPOUND

The very latest in Long Life Roadmarking Technologies are available from TCP. The divide between the performance of yesterday's roadmarking technology and today's is vast. The modern system developed after extensive research, gives a reflective, skid resistant and hardworking marking all in one, but of course it needs to be more than that. It needs to be:

- Long Lasting
- Hard wearing
- Environmentally Friendly
- Highly Reflective and Skid Resistant
- Fast curing for minimal traffic disruption
- Flexible to move with temperature variation
- Easy to apply with minimal outlay

Degadur SP2 outlasts the competition (Thermoplastic) by 2 ½ to 3 times.

TCP, leaders in the development of polymer based compounds, have bridged the technology gap with the development of the first environmentally friendly Long Life Sprayable Methacrylate Roadmarking Compound – DEGADUR SP2®.

### **DEGADUR SP2 IS THE SUPERIOR ALTERNATIVE TO THE TRADITIONAL SYSTEMS.**

Regardless of your requirement, your TCP Representative is available to assist you in making the right choice of materials to meet your needs. Both the applicator and public are safe from toxic materials, vapours and hot binders.

### **DEGADUR SP2 IS AN ENVIRONMENTALLY FRIENDLY PRODUCT!**

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**MATERIAL / APPLICATION SPECIFICATION** (SP2 Spec. 1) **JANUARY 2010**

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**SPRAYABLE DEGADUR SP2**

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**Material description:**

Cold Applied Plastic Road Marking Compound formulated from Degadur P.M.M.A. resin and inert fillers and conforming with the colour and luminance requirements of A.S. 4049.2.1994. Glass beads to A.S.2009 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 recommend as with ageing the thermoplastic tends to crack and lift from the road surface.

**Application:**

The material is spray applied to the road surface by either:-

1. A two component external mixing gun or
2. By two conventional airless guns adjusted to give matching fan patterns mixing together above the road surface.

**Curing time (no pick-up) i.e. Trafficable:**

The product will cure in 5 minutes @ 20°C without any visible yellowing of the marking.

**Recommended thickness:**

- |  |       |
|--|-------|
| 1. Edge lines and chevron markings:                              | 0.5mm |
| 2. Centre, lane lines and road markings in medium traffic areas: | 1mm   |
| 3. Turning lanes, and road markings in heavy traffic areas:      | 2mm   |

**Recommended application rate:**

- |                          |                            |
|--------------------------|----------------------------|
| 1. 0.5mm thick markings: |                            |
| Sprayable Degadur SP2:   | 0.25 litres / square metre |
| Glass beads:             | 0.5 Kg / square metre      |
| 2. 1mm thick markings:   |                            |
| Sprayable Degadur SP2:   | 0.5 litres / square metre  |
| Glass beads:             | 1 Kg / square metre        |
| 3. 2mm thick markings:   |                            |
| Sprayable Degadur SP2:   | 1 litres / square metre    |
| Glass beads:             | 2 Kg / square metre        |

**Recommended application rate- Visibead / Drop on bead mix.**



Where a Visibead system is specified the application rates should be:-

1. 1mm thick markings:
  - Sprayable Degadur SP2: 0.5 litres / square metre
  - Visibeads: M247 type 3: 0.5 Kg / square metre
  - Standard drop on beads:  
A.S. 2009–1991 0.5 Kg / square metre
2. 2mm thick markings:
  - Sprayable Degadur SP2: 1 litres / square metre
  - Visibeads: M247 type 4: 0.7 Kg / square metre
  - Standard drop on beads:  
A.S. 2009–1991 1.3 Kg / square metre

Note 1: If desired, greater skid resistance can be achieved by adding 10-20% Bikoret or crushed quartz to the glass beads.

Note 2: Recommended Quantities of both Visibeads and standard drop on beads have been endorsed by Mr Colin Yobb of Potters Industries on the 11<sup>th</sup> August 1995.

Note 3: **Concrete Surfaces**

Where SP2 Sprayable Degadur is being applied on any concrete surface the use of TCP concrete primer is necessary to ensure optimal bond and durability.

Note 4: No primer is required on asphalt or bitumen type surfaces, previously painted surfaces such as chlorinated rubber or alkyd enamel, but care must be taken to ensure that previously painted surfaces are well bonded to the road. (refer to paragraph on PREPARATION)



**A GUIDE FOR THE USE OF  
ACCELERATOR AND BPO HARDENER POWDER  
FOR USE WITH TCP SP2 WHITE SPRAYABLE DEGADUR**

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This information is based on TCP's experience in Australia over several years and should be taken as a **GUIDE** only as other factors such as humidity, exposure of the product to direct sunlight prior to use etc; can affect the curing time.

## WHITE

| AMBIENT TEMP °C | ACCELERATOR ADDITIONAL MILLS / LITRE PART "A" | BPO HARDENER ADDITION MILLS / LITRE PART "B" | APPROXIMATE CURING TIME |
|-----------------|---|--|-------------------------|
| 5° - 10°C       | 20  | 60   | 6 MINUTES               |
| 10° - 15°C      | 15  | 50   | 5 MINUTES               |
| 15° - 20°C      | 10  | 40   | 5 MINUTES               |
| 20° - 30°C      | 10  | 40   | 4.5 MINUTES             |
| 30° - 35°C      | 10  | 35   | 4 MINUTES               |
| 35° - 40°C      | 7.5   | 35   | 3 MINUTES               |

### **CAUTION:**

Any attempt at curing the product in less than 3 minutes could Result in poor adhesion to the road surface with the possibility of delamination occurring after a few weeks.

**Note: Substrate temperature can affect curing times.  
If in any doubt refer to your TCP state representative.**



**A GUIDE FOR THE USE OF  
ACCELERATOR AND BPO HARDENER POWDER  
FOR USE WITH TCP SP3 COLOURED SPRAYABLE DEGADUR**

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This information is based on TCP's experience in Australia over several years and should be taken as a **GUIDE** only as other factors such as humidity, exposure of the product to direct sunlight prior to use etc; can affect the curing time.

**COLOURED**

| <b>AMBIENT<br/>TEMP °C</b> | <b>ACCELERATOR<br/>ADDITIONAL<br/>MILLS / LITRE<br/>PART "A"</b> | <b>BPO HARDENER<br/>ADDITION<br/>MILLS / LITRE<br/>PART "B"</b> | <b>APPROXIMATE<br/>CURING TIME</b> |
|----------------------------|--|---|------------------------------------|
| <b>10°- 15°C</b>           | <b>25</b>  | <b>60</b>   | <b>20 MINUTES</b>                  |
| <b>15°- 20°C</b>           | <b>20</b>  | <b>60</b>   | <b>20MINUTES</b>                   |
| <b>20°- 25°C</b>           | <b>20</b>  | <b>60</b>   | <b>15 MINUTES</b>                  |
| <b>25°- 30°C</b>           | <b>15</b>  | <b>50</b>   | <b>15 MINUTES</b>                  |

**Note: Substrate temperature can affect curing times.  
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**A GUIDE FOR THE USE OF  
ACCELERATOR AND BPO HARDENER POWDER  
FOR USE WITH TCP SP3 WHITE SPRAYABLE DEGADUR**

This information is based on TCP's experience in Australia over several years and should be taken as a **GUIDE** only as other factors such as humidity, exposure of the product to direct sunlight prior to use etc; can affect the curing time.

**WHITE**

| <b>AMBIENT TEMPERATURE °C</b> | <b>ACCELERATOR ADDITION MILLS/LITRE PART "A"</b> | <b>BPO HARDENER ADDITION MILLS/LITRE PART "B"</b> | <b>APPROXIMATE CURING TIME</b> |
|-------------------------------|--|---|--------------------------------|
| <b>5°-10°C</b>                | <b>10</b>  | <b>55</b>   | <b>60 MINUTES</b>              |
| <b>10°-15°C</b>               | <b>10</b>  | <b>55</b>   | <b>45 MINUTES</b>              |
| <b>15°-20°C</b>               | <b>10</b>  | <b>45</b>   | <b>40 MINUTES</b>              |
| <b>20°-30°C</b>               | <b>10</b>  | <b>45</b>   | <b>35 MINUTES</b>              |
| <b>30°-35°C</b>               | <b>10</b>  | <b>40</b>   | <b>30 MINUTES</b>              |
| <b>35°-40°C</b>               | <b>10</b>  | <b>40</b>   | <b>25 MINUTES</b>              |

**Note: Substrate temperature can affect curing times.  
If in any doubt refer to your TCP state representative.**