

## DAMAR SPRAY PLASTIC

### Description

A 3-component, solvent-free reactive methyl methacrylate, cold spray plastic for permanent markings on bituminous coverings and pre-treated concrete.

### Features

- Can be applied to new seal after 4 weeks.
- Application over waterborne coatings.
- Excellent resistance to abrasion and weathering.
- High elasticity.
- Good adhesion, water and thawing salt resistance.
- High skid resistance.
- High whiteness and long-time retro-reflective life.

### Limitations

- Do NOT use on Paving Stones
- Do NOT apply when ambient temperature is below 5°C or above 30°C
- Do NOT apply to WET roads
- Adding more than 250ml of solvent MMA per bucket can stop the curing reaction.

Only use approved Silane coated beads (200 - 600 µ) with this product. With DFT over 800µ 1mm beads can be used.

- Application to concrete is problematic due to large variations in drying agents and surface finishes available, plus surface contaminations.
- For application to concrete surfaces please refer to concrete application sheet

### Properties

<b>Resin System</b>	Reactive acrylate
<b>Pigmentation</b>	Titanium Dioxide
<b>Finish</b>	Matt
<b>Colour</b>	White, yellow*
<b>Dilution Rate</b>	Use as Supplied

\*other colours are available on request

<b>Volume Solids</b>	100%
<b>Mixing Ratio</b>	A and B 1:1 by volume
<b>Hardner Mixing Ratio</b>	*2% By weight into Part B
<b>Weight of Hardener Powder per Pail</b>	0.5kg per 25kg Pail
<b>Pot-Life @ 25°C Part B with 3% Hardner</b>	Approx 48 Hours
<b>Pot-Life @ 25°C After mixing part A&amp;B</b>	5 minutes, dependant on hardener
<b>Number of Coats</b>	Generally 1
<b>Thinning Solvent</b>	Methyl Methacrylate MMA, Maximum of 250ml per 25kg bucket
<b>Clean Up</b>	Thinners MEK or Toluene

\*Hardener up to 3% can be used in cold weather conditions to get the curing

### Surface Preparation

Direct application to hotmix asphalt and chip seal. New surfaces should be left for 4 weeks and be free from oil film. This can be removed by water jet blasting. Direct application to concrete is NOT recommended. Allow 28 days curing period for new concrete and then apply a coat of Damar Concrete Primer, prior to application of Damar Spray Plastic. Ensure chip seal is clean and free from oil, grease and dirt contamination

### TACK-FREE TIME

- Minimum Coning off time, dependant on ambient temperature, 20 minutes.

### Approvals

New Zealand NZTA M/7 2017  
 CEO  
 ALO

### Storage Stability

- 6 months in original sealed package.
- Product must be stored under cover in a cool dry place.
- Protect from Frost.

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### Coverage - grams per lineal metre white or yellow line (100mm wide)

Marking	Usage (g)	Glass bead mix (g/m <sup>2</sup> )	Glass bead type
Type I Standard New Marking < 800µ	85 - 135	350 - 450	Std Silane 200 - 600µ
Maintenance Marking	70 - 85	250 - 350	Std Silane 200 - 600µ
Type II Standard Wet Weather Marking > 800µ	135 - 170	450 - 700	Std Silane 200 - 600µ
Audible Tactile Base Coat	135	450	Std Silane 200 - 600µ

### Standard Packaging

Coating 25kg Pail  
 Liquid Benox Hardener 20kg plastic pail

### Accessory materials

- Reactive Diluent MMA (methyl methacrylate) for component A & B. Use Maximum 1% only.

### Safety Regulations

	Component A	Component B	Component C Powder	Component C Liquid
<b>Toxicity</b>	4	4	4	4
<b>Flash Point</b>	10°C	10°C	-	-
<b>D.G.Class</b>	3	3	5.2	5.2
<b>UN No.</b>	1263	1263	3106	3106
<b>Packaging Group</b>	III	III	II	I

### Disposal

Dispose with care according to local regulations.

**Note:** This product is free from aromatic solvents. The use of personal protective equipment such as safety glasses, gloves, overalls etc is mandatory when handling these products, especially the hardener. Refer to Material Safety Data Sheet for this product.