

DAMAR COLD APPLIED PLASTIC (CAP)

Description

A 2-component, solvent-free reactive methyl methacrylate, cold plastic for permanent markings on bituminous coverings and pre-treated concrete, suited for flat, structured and audio-tactile marking systems. Damar Cold Plastic comes in three viscosity variants. Audible Tactile System “Ribs”, structured and flat markings (screed).

Available: 30kg, 1500kg (ARX0145- only 30kg)

Item keys: **ARK0141, ARK0142, ARK0145, ARZ014Z, ARZ014ZZ**

Features

- Application over all known road marking types.
- Excellent resistance to abrasion and weathering.
- High elasticity.
- Good adhesion, water and thawing salt resistance.
- High skid resistance.
- High visibility at night times and in rain.

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.
- Use only coated Type B or BHR beads with this product.
- Adding more thinning solvent MMA than 500ml per 30kg Bucket can stop the curing reaction.
- 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

Resin System	Reactive Acrylate
Pigmentation	Titanium Dioxide
Finish	Matt
Colour	White, Yellow, Grey, Black*
Dilution Rate	Use as supplied
Density(Kg/L)	White 1.95, Yellow 1.87
Volume Solids	100%
Liquid BPO Hardener	1-2% by weight
Pot-Life @25°C	5 – 12 minutes, dependant on temperature
Number of Coats	Generally 1
Thinning Solvents	Methyl Methacrylate (MMA), Max allowed 500ml per 30kg bucket
Coverage in structure Pattern	See below photo or use Zehntner App www.zehntner.com
Clean Up	Thinners PF2 MEK or PF4 Toluene.

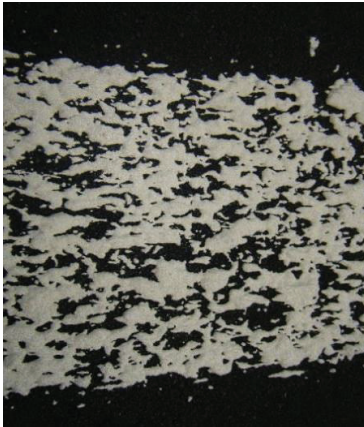
*Other colours available on request

Surface Preparation

Direct application to hotmix asphalt and chip seal. New surfaces should be left for 4 weeks and 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 CAP Concrete Primer, prior to application of Damar Cold Plastic. Ensure seal is clean and free from oil, grease and dirt contamination, and all loose chips.

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Structured Application



Audible Tactile System



Track-Free Time

- Minimum Coning off time, dependent on ambient temperature and humidity, 30 minutes at 25°C 60% relative humidity.

Approvals

- New Zealand NZTA M/7 2017 CL1 AL1
- New Zealand NZTA M/24
- Australia APAS 0041/3 (approval for white only)

Standard packaging

- Coating 30kg Pail / 1500kg
- Liquid BPO Hardener 20kg Pail

Accessory materials

- Thinner PF2 MEK or PF4 Toluene to rinse and clean only.

Storage Stability & Disposal

- 12 months in original sealed package.
- Product must be stored under cover in a cool dry place.
- Stirring prior to use is recommended.
- Protect from frost.
- 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 Safety Data Sheet for this product.

Theoretical Coverage Asphalt: grams per lineal meter white or yellow line (100mm wide)

Audible Tactile System	(Rib only-250mm centres) 295 gram Bead - Type B or BHR beads Coated
Flat Application	450 gram Bead - Type B or BHR beads Coated
Structured Application	280 gram Bead - Type B or BHR beads Coated

Theoretical Coverage Chip Seal: grams per lineal meter white or yellow line (100mm wide)

Audible Tactile System	(Rib only-250mm centers) 384 gram Bead - Type B or BHR beads Coated
Flat Application	585 gram Bead - Type B or BHR beads Coated
Structured Application	364 gram Bead - Type B or BHR beads Coated