

HPS - Trowel Screed

MMA Transverse Pavement Marking

PRODUCT DATA

Product Type: Screed/Trowel Applied, Methyl Methacrylate (MMA)
 Product Codes: CAPTS100
 Product Colors: White
 EF Yellow on request
 Description: An easily applied MMA resin used for transverse markings, directional arrows, pedestrians crossings etc.
 Effective Date: Nov 2018



Product Description:

Ennis-Flints' Trowel Screed is a specialised plural component Methyl Methacrylate (MMA) pavement marking system formulated with premium materials that are designed for intersections, transverse markings, directional arrows, pedestrian crossings where night time visibility and extreme durability is required. Ennis-Flint HPS-Trowel Screed provides, reliable, fast cure times in cool temperatures, outstanding chemical resistance once cured and excellent adhesion to both concrete and asphalt pavement surfaces.

HPS-Trowel Screed is catalyzed through the introduction of powdered EF Dibenzoyl Peroxide (BPO) at 2% by weight. This system is a 100% solids high build product containing intermixed glass beads and is installed at build thicknesses between 1mm and 3mm via, hand troweling, hand screed application or manual screed equipment.

Product Advantages:

- **Extremely Durable and hard wearing.** A solution for transverse stop bars and other transverse markings with frequent vehicle traffic. Lengthens the surface treatment cycle, minimizing the need for regular remarking.
- **UV Stable.** Uses color stable pigments and resins that reduce fading of markings.
- **Fast back to traffic.** Low application temperatures with reliable cure times down to 5°C, minimize downtime, application costs and expensive traffic control costs.
- **Proven performance history.** Used on Victorian intersections for more than 20 years with outstanding success. Used extensively across Europe since 1980
- **Superior Adhesion.** Tenacious adhesion to asphalt and concrete substrates.

Packaging: Trowel Screed is supplied ready for application in 13kg pails. The product must be used with the Ennis Flint BPO Hardener (supplied separately) to provide lasting performance. Each pail must be mixed thoroughly before adding EF BPO, using a high torque, high speed drill and paddle.

Storage: Keep cool in a dry, covered protected area between 5°C – 35°C and must be stored out of direct sunlight. Use within 6 months of receipt.

Catalyst Recommendations: Ennis-Flint recommends using 2.0% EF BPO Hardener by weight of catalyst addition to the Trowel Screed in all acceptable surface temperature ranges between 5°C and 40°C. Using less catalyst will increase cure times and possibly negatively impact the success of the application.

Coverage: 4.0kg/sqm for 2mm Dry/Wet Film Thickness
 Coverage rates can vary based on type of surface and texture.

Safety & Transport: Refer to the Safety Data Sheet (SDS)

Physical Characteristics:

Density (kg/ltr)	1.95-2.05kg/L
Solids (% by weight)	>99% (cured)
Glass Bead Content	24% min by wt
VOC	<1g/L
Pot Life	<10mins
Cure/No Track Time *	<20mins
Hardness (Shore D)	50 Min
Skid Resistance	≥ 45 bpn
Chemical Resistance	(refer chemical resistance chart)
Luminance	White: >80

*Using EF BPO Hardener at 2% by weight and applied at 25°C ambient conditions.

Limitations:

- Contact Ennis-Flint when road and/or ambient temperatures are below 15°C
- Do not apply when temperatures are near, or below the dew point
- Do not apply if the surface is not completely dry
- P2 Concrete Primer is required prior to application to any concrete surface
- Please contact your E/F sales representative for further information relating to the use and limitations of this product

The product data offered herein is, to the best of our knowledge, true and accurate, but all recommendations are made without warranty, expressed or implied. Because the conditions of use are beyond our control, neither Ennis-Flint nor its agents shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product described herein. As Ennis-Flint has neither control over the installation of product described herein nor control of the environmental factors the installed markings are subjected to, there is no guarantee as to the durability or the retroreflective properties of any marking system applied. No person is authorized to make any statement or recommendation not contained in the Product Data, and any such statement or recommendation, if made, shall not bind the Corporation. Further, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents, and no license under the claims of any patent is either implied or granted.



ENNIS TRAFFIC SAFETY SOLUTIONS PTY LTD ABN 34 064 325 631
 29-31 Memorial Avenue, Ingleburn NSW 2565 Ph: +61 2 98294275
 9 Akatea Road Glendene Auckland 0602 Ph: +64 9 818 6410

enquiry@ennisflint.com.au www.ennisflint.com.au

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TRANSPORT AND STORAGE

GHS	DG
	UN No: 1263 Hazchem Code: +3YE DG Class: 3 Subsidiary Risk: None Packing Group: II Poisons Schedule: S6

Important: Please read the complete **Safety Data Sheet** and any precautions on the product label before use. **Safety Data Sheet** is available on the Ennis Flint website ennisflintapac.com.au



Scan this image
for easy access to Safety Data Sheet

HEALTH AND SAFETY

PRECAUTIONS FOR USE



Appropriate engineering controls:	Local Exhaust Ventilation recommended.
Glasses:	Consider chemical goggles.
Gloves:	1. TEFLON 2. PE/EVAL/PE 3. PVA
Respirator:	Type AK-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)
Storage and Transportation:	Store in cool, dry, protected area. Restrictions on Storage apply. Refer to Full Report. Use only in well ventilated areas. Take precautionary measures against static discharges. Dispose of this material and its container at hazardous or special waste collection point. Keep out of reach of children. Keep container in a well ventilated place. Keep away from sources of ignition. No smoking.
Fire/Explosion Hazard:	HIGHLY FLAMMABLE. Toxic smoke/fumes in a fire. Use only in well ventilated areas. Take precautionary measures against static discharges. Dispose of this material and its container at hazardous or special waste collection point. In case of fire and/or explosion, DO NOT BREATHE FUMES.

FIRST AID

Swallowed:	Give water (if conscious). URGENT MEDICAL ATTENTION.
Eye:	Wash with running water.
Skin:	Remove contaminated clothing. Wash with soap & water.
Inhaled:	Fresh air. Rest, keep warm. If breath shallow, give oxygen. Medical attention.
Advice To Doctor:	Treat symptomatically.
Fire Fighting:	Keep containers cool. Foam.
Spills and Disposal:	Eliminate ignition sources. Consider evacuation. Prevent from entering drains. Contain spillage by any means. Absorb with dry agent. Stop leak if safe to do so. Use only in well ventilated areas. Take precautionary measures against static discharges. Dispose of this material and its container at hazardous or special waste collection point. This material and its container must be disposed of in a safe way. To clean the floor and all objects contaminated by this material, use water and detergent.

Poisons Information Centre: Australia 131 126; New Zealand 0 800 764 766