

# HPS-Profile ATLM

## MMA Audio Tactile Pavement Marking

## PRODUCT DATA

Product Type: Audio Tactile Pavement Marking, Methyl Methacrylate (MMA)  
 Product Codes: CAPATLM100  
 Product Colors: White, Black  
 Yellow on request  
 Description: Ennis Flint, HPS – Profile ATLM is a 98:2 ratio Cold Applied Plastic (CAP) heavy wearing, long life, MMA resin compound formulated for application to various road surfaces as an audible, tactile safety marking.  
 Effective Date: Nov 2018



**Product Description:** Ennis-Flint's HPS Audio Tactile Profile (ATLM) is a specialised 98:2 Methyl Methacrylate (MMA) safety marking formulated with premium materials that deliver an extremely durable, highly visible and audible safety pavement marking system. It is formulated with the distinct property which allows the material, when correctly applied, the capability to form raised ribs / blocks. These raised rib / block formations provide the safety feature of providing an audio-tactile warning to drivers straying out of their lane.

Profile ATLM is catalyzed through the introduction of liquid Benzoyl Peroxide (BPO) at 2% by weight. This 100% solids high build product is capable of achieving longer lasting audio performance with greater than 10mm heights through the use of specialized automated equipment. Profile ATLM pavement markings can offer long life performance with excellent durability, adhesion, retro-reflectivity and high service temperature performance.

### Product Advantages:

- **Extremely Durable.** A solution for areas where high temperatures and/or high traffic volumes cause reduced ATLM effectiveness.
- **Weatherability.** Even in high temperatures, HPS –ATLM is flexible and will move with surface and not crack. UV stable, chemical and crack resistant.
- **Fast back to traffic.** Fast drying, minimizing application time and costs as well as reducing the time crews are on the road.
- **Reliable dry times.** Low application temperatures with reliable cure times down to 5°C
- **Superior Adhesion.** HPS-ATLM is flexible with tenacious adhesion to asphalt and concrete substrates.

**Packaging:** Profile ATLM is available in 750kg IBC's/Haztainers. The product must be used with the recommended EF BPO Hardener (sold separately).

**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 Profile ATLM 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:** ≈615kg per km for 150mm width, 50mm depth, 8mm height (on a test plate) ATLM application with 250mm center spacing placed as continuous edge line. Coverage rates vary based on type of surface and texture. These measurements are a guide only.

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

Physical Characteristics:	
Density (kg/ltr)	1.85-1.95kg/L
Solids (%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:	
<ul style="list-style-type: none"> <li>• Contact Ennis-Flint when road and/or ambient temperatures are below 15°C</li> <li>• Do not apply when temperatures are near, or below the dew point</li> <li>• Do not apply if the surface is not completely dry</li> <li>• P2 Concrete Primer is required prior to application to any concrete surface</li> <li>• Please contact your E/F sales representative for further information relating to the use and limitations of this product</li> </ul>	

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### TRANSPORT AND STORAGE

GHS

DG



UN No: **1263**  
 Hazchem Code: **+3YE**  
 DG Class: **3**  
 Subsidiary Risk: **N/A**  
 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](http://ennisflintapac.com.au)



**Scan this image**  
 for easy access to Safety Data Sheet

### HEALTH AND SAFETY

#### PRECAUTIONS FOR USE



<b>Appropriate engineering controls:</b>	Local Exhaust Ventilation recommended.
<b>Glasses:</b>	Consider chemical goggles.
<b>Gloves:</b>	1. TEFLON 2. PE/EVAL/PE 3. PVA
<b>Respirator:</b>	Type AK-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)
<b>Storage and Transportation:</b>	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.
<b>Fire/Explosion Hazard:</b>	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, <b>DO NOT BREATHE FUMES.</b>

#### FIRST AID

<b>Swallowed:</b>	Give water (if conscious). Seek medical advice.
<b>Eye:</b>	Wash with running water.
<b>Skin:</b>	Remove contaminated clothing. Wash with soap & water.
<b>Inhaled:</b>	Fresh air. Rest, keep warm.
<b>Advice To Doctor:</b>	Treat symptomatically.
<b>Fire Fighting:</b>	Keep containers cool. Foam.
<b>Spills and Disposal:</b>	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



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