

EF - GripMMAx™

MMA Anti-Skid Treatment

Product Type: High Performance Anti Skid Methyl Methacrylate (MMA)
 Product Codes: CAPGM500
 Product Colors: White, EF Red, EF Green, EF Bus Lane Red
 EF Black, EF Yellow, EF Blue & custom colours on request
 Description: An easily applied, long life MMA system for anti-skid surfacing and preferential lane treatments.
 Effective Date: Nov 2018

Product Description:

Ennis-Flint's GripMMAx™ is a specialised lane treatment and area marking system combining state of the art Methyl Methacrylate resins with hardwearing aggregates. Formulated with premium pigments that deliver an extremely durable, highly visible and color stable lane delineation treatment that meets the non-slip requirements needed for cyclists and complies to Australian Standards.

GripMMAx™ long life performance makes it ideal for use on cycleways, bus lanes, corridor treatments, coloured area markings and projects where there is a need to promote clear understanding of a delineated lanes purpose. Hand application with a squeegee and paint rollers makes the product easy to apply.

Product Advantages:

- **Extremely hard wearing.** Lengthens the surface treatment lifecycle, minimizing the need for regular remarking whilst maintaining anti slip properties.
- **Non-Slip.** The high friction texture significantly reduces the occurrence of aquaplaning for vehicles, cyclists and anti slip effectiveness & safety for pedestrians.
- **Weatherability.** UV colour stable pigments, chemical and crack resistant reduce markings fading and increase marking life
- **Fast back to Traffic.** Fast dry, minimizing downtime, application costs and worker time on the road. Low application temperatures with reliable cure times down to 5°C
- **Easy to apply.** Pre-packaged for on-site mixing and convenience.
- **Multi use application.** Recommended for streets, highways, crosswalks, symbols & legends.
- **Adhesion.** Tenacious adhesion to asphalt and concrete substrates.

Packaging:

GripMMAx™ comes supplied ready for application in 20Kg pails. The BPO hardener is supplied separately. Each pail must be mixed thoroughly before use, using a high torque 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 200 grams of EF BPO Hardener catalyst per 20 kg drum (10gms per kg) to the GripMMAx™ 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:

White – 4kg/m² concrete/smooth. Coverage rates may vary based on product colour, type of surface and texture. These measurements are a guide only.

Safety & Transport:

Refer to Safety Data Sheet (SDS)



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PRODUCT DATA



Physical Characteristics:

Density (kg/ltr)	2.2-2.4kg/L
Solids (% weight)	>99% (cured)
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 200 grams EF BPO Hardener per drum (10gms per kilo) 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.

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PRODUCT DATA

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



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