

DESCRIPTION:

Enduragrip Hi-Cover (MMA road & pedestrian paint) is a rapid cure, cold applied, 100% solids, coloured methyl methacrylate resin system used to provide demarcation and on asphalt surfaces. Suitable for use on cycleways, bus lanes, road & highway dressing and pedestrian pathways.

Enduragrip Hi-Cover when used with bauxite aggregate provides a durable, industrial, or decorative trafficable surface with good skid resistance and excellent non-slip in both wet and dry conditions. **For maximum vehicle skid resistance on road & highways use Enduragrip PU-30.**

Enduragrip Hi-Cover utilises colourfast technology to maintain original colour and brightness.



MIXED PROPERTIES:

Mix Ratio: 24Kg Coloured kit	16Kgs MMA Resin 8Kgs Aggregate 300grams BPO powder (2%)
Coverage Rate: (excluding substrate profile)	2.0-2.5 Kgs per m ² Or 9.5-12.0m ² per 24Kg kit
Gloss Level:	Matte
Standard Colours: AS 2700S-2011	G13 Emerald Green, G26 Apple Green, R13 Signal Red & B24 Harbour Blue
Reactivity: Hard set	2 hours @ 10°C 1 hour @ 25°C
Full cure	10 hours @ 10°C 4 hours @ 25°C
Catalyst addition Rates (by weight):	2.5-3% @ 10°C 2% @ 20°C 1.5% @ 30°C 1% @ 40°C



APPLICATION PROCEDURE

All surfaces must be prepared in accordance with the Product Application Bulletin prior to application of this product.

Wear appropriate personal protective equipment during mixing and application process.

Weigh out the appropriate grade of aggregate to the pail and mix till uniform. Carefully add the catalyst powder and mix till uniform. Pour contents out onto the prepared surface, squeegee and back-roll to an even finish. **Follow the recommended coverage rate to ensure appropriate level of non-slip is achieved.**

ADDITIONAL INFORMATION

Use Endurabond 45M primer on concrete substrates. Steep gradients may require the addition of a filler to provide non-sag properties.

LIMITATIONS

Monitor weather conditions during application and cease application where temperatures are near or will approach the dew point during application or within 30 minutes of laying. Substrate must be clean and dry.

Expected life of coloured surfacing is at least 5 years. High wear areas may require maintenance.



PACKAGING:





Standard Pack Size:
16 kg pail resin coloured base;
25 kg bag of aggregate;
Plus catalyst supplied in bulk.

For vehicle and high friction areas use bauxite aggregate. For pedestrian only areas, quartz aggregate is sufficient.

Bauxite is a harder aggregate than Quartz.



CURED PROPERTIES

Shore Hardness	70+/-5 D	
Standard Colours (AS 2700S-2011)	G13	
Other colours available upon request.	G26	
	R13	
	B24	
Light Fastness	Min 6	

High Temperature Flow: Enduragrip HI COVER is a THERMOSET* material and after curing does not soften or flow with heat.

*Thermoset vs Thermoplastic:

A polymer which becomes irreversibly hardened upon being cured is a thermoset polymer. Curing results in extensive cross-linking between polymer chains to give an infusible and insoluble polymer network. Once hardened a thermoset resin cannot be re-melted in order to be reshaped, this can be contrasted with thermoplastic polymers, which can generally be re-melted and reshaped.



STORAGE AND HANDLING PRECAUTIONS

All chemical materials must only be used by trained personnel.

SHELF LIFE

12 months minimum

Store in sealed containers at 5-25°C max and away from direct sunlight.

COMPONENTS:

Resin: Thick liquid – supplied coloured base.

Catalyst: Available separately - white free flowing powder.



HEALTH AND SAFETY ADVICE

Refer to Polymer Group Material Safety Data Sheets before using products.

Resin component [methyl methacrylate] is flammable and moderately toxic. **Avoid contact with skin and eyes. Do not breath vapour.** Use only in well-ventilated areas. Protect all non-application personnel and the public from inhaling vapours.

Catalyst component [BPO Powder] is an oxidiser. **Avoid contact with skin and eyes. Do not inhale dust.** Keep sealed and secure. Keep away from all sources of heat, mechanical impurities and reducing agents to prevent violent decomposition.

Wear appropriate personal protective equipment during mixing and application process. Refer to product safety data sheets. Use **Enduragrip Hi-Cover** only where there is adequate ventilation. Only trained personnel to mix and apply **Enduragrip Hi-Cover**.

HAZARD PROPERTIES:

Component:	Hazard Class	
Resin	Flammable	3
Catalyst	Oxidiser	5



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