

CASE HISTORY

2015



SOLUTIONS FOR EXTREME ENVIRONMENTS

POLYMER GROUP LTD

ENDURAGRIP HIGH
FRICTION SURFACES

NEW ZEALAND ROADS ARE BEING MADE SAFER!

ENDURAGRIP is a high friction road surface treatment solution to improve road safety conditions at high accident areas, potential problem areas and to delineate bus and cycle lanes from other vehicle traffic.

A polyurethane adhesive binder, developed for asphalt surfaces to bond calcined bauxite or Synthite coloured reflective glass aggregate to asphalt road surfaces.

The **ENDURAGRIP** high friction system provides skid resistance, warning of approaching hazardous zones or delineation of cycle and bus lanes.

ENDURAGRIP high friction system is suitable for:

- Corners
- Roundabouts
- Motorway and highway on and off ramps
- Steep gradient descents
- Bus and cycle lanes
- Warehouse loading docks
- Pedestrian walkways

Projects:

Apirana Ave, Glen Innes, Auckland
Dominion Road, Mt Roskill, Auckland
Barrington St, Spreydon, Christchurch
Cavendish Drive, Manukau, Auckland
White Swan Rd, Mt Roskill, Auckland
Fanshawe Street, Auckland
Fonterra, Bunnings & Laminex loading Bays.

Products:

Enduragrip PU adhesive binder
Bauxite or Synthite coloured reflective glass

Applicators: Resin Surfaces Ltd, Polymer Group Contracting,
Bay Protective Coatings



ENDURAGRIP High Friction Surfaces

Surface treatment completed on a section of road on an unexpectedly tight corner on the dominion road extension in Auckland.

The job involved a total of 800 m² of bauxite skid resistance, and two red Vistagrip patches, as shown to alert drivers to the upcoming hazardous corner.

Resin Surfaces Ltd did the entire job in one day, minimizing disruption to the residents and the travelling public. The work was done by ARMA West Maintenance Alliance.

Dominion Road, Auckland



ENDURAGRIP High Friction Surface Benefits

1. Durable—As for other resin surfacing, 5-10 years under trafficking.
2. Dirt Resistant—the aggregate being spherical beads, resists soiling and cleans easily.
3. Available in Deep, Rich colours—The beads not being completely opaque, allow a depth to the colouration.
4. Retro-reflective—Glows with colour when the light source is behind the observer.
5. Slip resistant—Slip coefficient of 50-78 (minimum requirement is 40).

ENDURAGRIP CS is also available for concrete surfaces.



ENDURAGRIP High Friction Surfaces

A section of Cavendish Drive in Auckland with broken green cycle lane as part of the new SH20 extension in Manukau. The green reflective surface delineates cycle traffic from other vehicles and the sparkly aggregate provides a high friction surface.

This work was undertaken by Resin Surfaces Ltd for Ross Road Markers.

Cavendish Drive, Auckland



Fonterra Loading Bay—Bay Protective Coatings



Bunnings Loading Dock



Laminex Loading Bay



Apirana Avenue



White Swan Road



White Swan Road



SOLUTIONS FOR EXTREME ENVIRONMENTS

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Polymer Group Ltd is an applied technology company comprising a team of industrial chemists, engineers and qualified coatings inspectors which has served New Zealand industry for over 30 years.

Property Asset Protection is the company's major focus, providing proven, durable solutions for the **protection of structural steel, concrete and timber** structures.

Wear resistant, Anti-corrosive Protection Systems are engineered to provide optimum performance and extended maintenance intervals.

Surface Coating Technology Advances offer multiple choices to the asset manager and civil engineer who is seeking long term solutions and minimum downtime, but not always able to provide an optimum application time frame.

Maintenance Assessments and Specification Options give the client the opportunity to inspect and discuss the asset with experienced personnel, taking into consideration the exposure environment, past performance of any existing protection systems, available downtime and other constraining influences.

Sole Responsibility Material Supply and Application Contracts provide the client with further reassurance that their protection/maintenance systems are supplied and installed by a Quality Assured, company.

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