

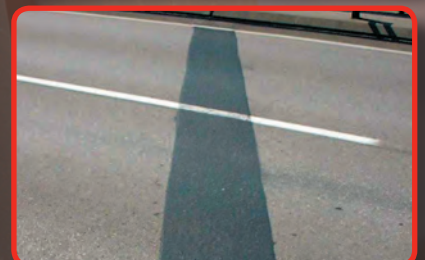
Bridge Jointing & Crack Repair

Ennis Prismo
TRAFFIC SAFETY SOLUTIONS

Bridge Expansion Joints, Repairs, Maintenance and Crack Repair Systems

Surfaces cracks and joints are the weak spots in any road, bridge or airport runway, and the constant wear and tear of passing traffic can mean that weaknesses develop into dangerous hazards.

Ennis Prismo has a range of bitumen based products that are suitable for bridge jointing and sealing, horizontal crack repair, or as expansion and contraction joints. The range represents a unique family of products that can perform in a wide variation of climatic conditions, from -30°C up to +60°C tropical temperatures. Applications include use on bridges, road networks, runways and airport hard standings.



Bridge Jointing & Crack Repair Systems



Bridge expansion joints

Thormajoint

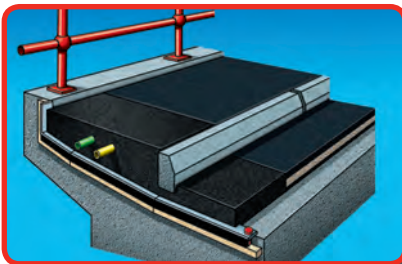
With over 1 million linear metres installed in over 50 countries throughout the world, in conditions from arctic to tropical, Thormajoint is engineered for use across all or part of the road deck – including verges and hard shoulders.

Ennis Prismo has developed several grades of binder to meet all climatic conditions. Based on more than 20 years experience, there is no other bridge expansion joint that can beat Thormajoint for effectiveness, economy and reliability.

A special combination of an elastomer modified BJ200 binder and carefully selected single size BJ stone, provide a strength and flexibility that can accommodate horizontal movements up to +/-40mm.

Key Features:

- Quick installation and easy repair
- No mechanical moving parts
- Reduced noise pollution from vehicles travelling over the joint; a smooth riding surface level with existing roadway
- The ability to be surface dressed, to improve skid resistance
- Helps to maintain structural integrity by being watertight
- Adaptability of design to fit installation requirements
- Partial or full installation across carriageways
- Flexibility in all directions, including movement of upto +/-40mm
- Can be used for top-up after resurfacing work, without full replacement



Thormajoint Installation



1 Cutting the recess



2 Preparing the recess



3 Embedding steel plates



4 Applying first layer



5 Layers added



6 Applying finishing layer



7 Finished installation

Ennis Prismo

TRAFFIC SAFETY SOLUTIONS

Crack repair systems

Fibrescreed

Ennis Prismo's patented Fibrescreed range of materials and systems offers a selection of solutions to a wide range of pavement and highway defects.

Our Fibrescreed range of polymer modified bitumen based sealing compounds are manufactured under strict factory conditions, thus ensuring consistent quality and avoiding operator error, as often experienced with on-site mixing methods.

Fibrescreed RC100MTR is BBA HAPAS approved, meaning it is suitable for use in heavily trafficked areas such as major trunk roads and motorways.

Multiseal 40

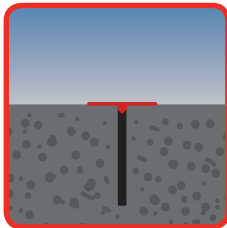
Multiseal 40 is a high performance, hot-applied, rubberised bituminous product used to seal and fill cracks and joints in both asphalt and concrete. The material exhibits improved flexibility at low temperatures, while resisting flow during the summer.

It complies with European Standard EN14188 for Hot Pour Sealants, and is ideal for sealing horizontal construction, filling pavement cracks in concrete and asphalt roads, runways and thoroughfares.

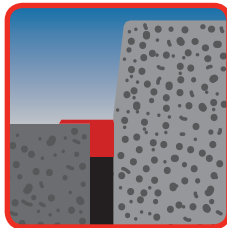
Key Features:

- Highly ductile, able to cope with most crack and joint movements
- Unique composition gives the material high load bearing capabilities
- Excellent recovery under varying temperatures
- Impervious to water and salts thus arresting further deterioration
- Fast installation minimizing costly traffic management
- Good skid resistant finish
- Improves ride quality of surface
- Can be installed throughout the year
- Economic and cost effective

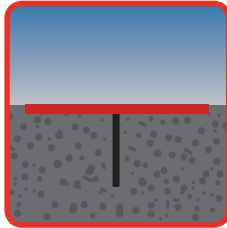
Types of repair



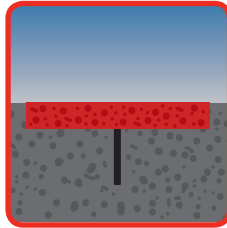
Overseal Banding
- Multiseal 40



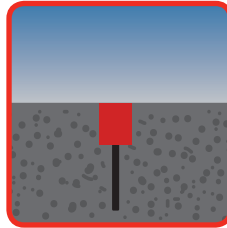
Kerb Sealing
- Fibrescreed
- Multiseal 40



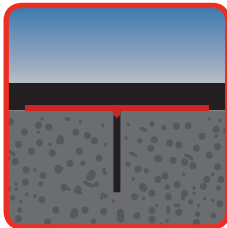
Recessed <25mm
- Fibrescreed



Infill >25mm
- Fibrescreed



Saw Cut & Seal /
Crack Inducer
- Fibrescreed



S.A.M.I.
- Fibrescreed

Fibrescreed installation



1 Cracks appear in road surface due to heavy trafficking, adverse weather conditions, etc



2 Crack is planed out to appropriate width and depth depending on severity



3 Thermal lance is used to remove moisture and debris



4 Base of recess is sealed with Fibrescreed RC100MTR bitumen



5 Fibrescreed RC100MTR stone/bitumen topping mix is added (if required depending on planed depth)



6 Filled crack is screeded over with Fibrescreed RC100MTR bitumen to create a watertight seal



7 Aggregate is broadcast over the surface to provide an appropriate skid resistance level



8 Once cured, the excess aggregate is swept clean leaving the road surface safe and secure

Company Overview

Ennis Prismo Traffic Safety Solutions is the global market leading manufacturer, contractor and supplier of road markings, surfacings and traffic safety products.

Formerly known as Prismo Road Markings Limited, the company is now part of Ennis Traffic Safety Solutions - the world leader in road safety products.

Ennis Traffic Safety Solutions dominates the Americas markets, as well as supplying in to Asia Pacific, while Ennis Prismo has built an equally strong position across Europe, the Middle East and Africa.

As a result, we are able to offer a truly global service that we believe is unrivalled in the road safety industry. Our areas of expertise include:

- **Road markings**
- **Road studs**
- **Surface safety solutions**
- **High friction surfacing**
- **Coloured and decorative surfacing**
- **Bridge expansion joints**
- **Sealing and crack repair systems**
- **Road marking performance analysis**
- **Contracting services**
- **Traffic products**

Our multinational sales, logistics and manufacturing operations, combined with our extensive product range and over 100 years experience, mean that Ennis Prismo Traffic Safety Solutions is uniquely placed to meet your road safety requirements.

Notes:



TRAFFIC SAFETY SOLUTIONS

Contracting Services: +44 (0) 845 688 0155

Product Services: +44 (0) 1257 225 100

Traffic Products: +44 (0) 1761 414 824

E-mail: info@ennisprismo.com

www.ennisprismo.com

