Installation Instructions
Prismo II Permanent Reflecting Roadstud

INTRODUCTION

This information relates to the installation of the Prismo II reflecting roadstud. This product comprises a lens shroud and anchor stem, which is diecast in aluminium and marked Prismo II.

EQUIPMENT

The following equipment is required for the installation of this stud:

- Heavy-duty drill
- Vacuum dust extractor or compressed air supply
- Bitumen heater incorporating agitators

MATERIAL

The following material is required for the installation of this stud:
Prismo bitumen grout (type M376), supplied in 25kg bags sufficient for approximately 200 studs and conforming to the following specification:

- Specificy Gravity	1.80	**- Bitumen Content**
	25 – 30%	
- Softening Point (Ring & Ball)	90°C minimum	**- Filler Content**
	70 – 75%	
- Recommended Pouring Temperature	180°C – 200°C	**- Penetration (25 °C)**
	15 (+/-5)	

Only the above grout should be used for installing Prismo II studs.

PROCEDURE

Fig 1
Drill a 32mm diameter hole, 65mm deep (the anchor stem is 60mm long). It is essential that the hole and the road surface within a radius of 70mm of the hole is completely free of dust and debris. The dust should be removed either by suction with a vacuum dust extractor or by blowing out with compressed air. For installation in concrete roads the sides of the hole should be primed with a concrete primer such as Synthaprufe (primer should be used in accordance with the manufacturer's instructions).

Fig 2
Fill the hole so that it is just over-flowing with Prismo bitumen grout (M376).

Under no circumstances should the M376 grout be heated to over 230°C as this will result in hardening and deterioration.

Fig 3
Insert the anchor stem and align the stud so that it faces the traffic correctly. Press firmly by hand to bed in the stud. Sufficient grout will be expelled to firmly seat the stud head on the road surface. Scrape off any excess bitumen when it has cooled to ambient temperature. Protect the installed stud until the grout is completely set.

Precaution: Do not install Prismo roadstuds when the road surface is wet. Do not allow excess bitumen to flow over the lenses.

Fig I

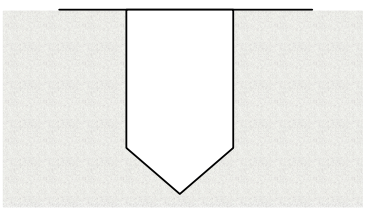


Fig 2

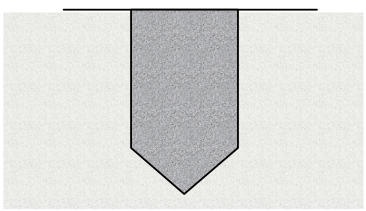
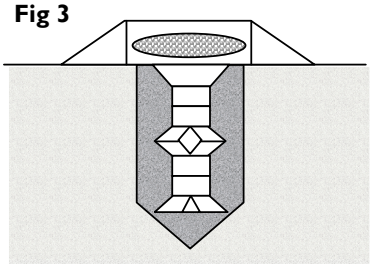


Fig 3



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