

BITUFIX

Raised Pavement Marker Adhesive

PRODUCT DATASHEET

1.0 DESCRIPTION

BITUFIX is a bituminous adhesive that is used to adhere reflectorised and ceramic raised pavement markers to various carriage way substrates. It is based on refined bitumen and graded fillers to create a plastic adhesive suited to the New Zealand climate and road type having a wide working temperature stability and ease of use.

2.0 FEATURES & BENEFITS

BITUFIX offers these unique features and benefits:

- ✓ Formulated and manufactured in New Zealand for New Zealand conditions.
- ✓ Proven performance for over 20 years adhering markers to New Zealand roads.
- ✓ New, convenient individual block packaging of about 2.3kg per block (12 per carton) individually wrapped in easily removed paper liner. The smaller block size facilitates easy melting in a wide range of bitumen kettles for convenience and ease of use.
- ✓ Smaller block packaging eliminates need to cut or chop up adhesive to fit kettle.
- ✓ Does not require special storage facilities - can be stored under shade year round.
- ✓ Independently tested to RTA Australia (Roads & Traffic Authority) test requirements (see properties).



3.0 PROPERTIES

- | | |
|------------------------|--|
| 3.1. Colour: | Black |
| 3.2. Specific Gravity: | 1.58 |
| 3.3. Flash Point: | NA |
| 3.4. Viscosity: | Solid at ambient temperatures, pourable at application temperature of 150 – 200°C. |



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Products for Concrete and Construction

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BITUFIX

TECHNICAL DATA Continued

- 3.5. Toxicity: NA
- 3.6. Rate of Use: Depends on surface & marker composition. Typically 4 – 5 reflectors per kilogram for rough chip-seal roads.
- 3.7. Independently Tested properties (test method shown)

Property	Requirement		Test Method	Result
	Min	Max		
Softening Point, °C	110	118	RTA T505	112
Flash Point, °C	285	—	AS 2341.14	320
Penetration, 100g, 5 sec, 25°C	10	20	ASTM D5	10
Flow, mm	—	2	RTA T736	Nil
Heat Stability Flow, mm	—	2	ASTM D3407	Nil
Shear Strength (RPM type)			Works Consultancy	Average result MPa
Stimsonite				0.83
3M				0.53
Ceramic RPM				0.73

4.0 APPLICATION

Preferably use an oil jacketed heater with agitation. Remove paper backing and add block of BITUFIX to the melter (preferably while under continuous agitation once melted). Control material temperature between 150 & 200°C. Add additional material as needed. Do not reheat material after use and drain vat at end of day's run. Avoid localised heating as charring will occur and product degradation will result.

Apply BITUFIX directly to road surface and place reflector immediately before BITUFIX cools and hardens.

5.0 PACKAGING

BITUFIX is supplied as 930kg per pallet, packaged as 12 blocks per carton (approximately 33 cartons per pallet) or in slab form (approximately 32kg per slab).