



EPIREZ

TECHNICAL DATA

HIGHWAY MARKER ADHESIVES

Description

Epirez has a complete range of highway marker adhesives. They all have a soft paste consistency and especially suited for the bonding of road markers to highway surfaces. They exhibit good resistance to weathering, ultraviolet radiation, temperature extremes, impact, rain and snow. This **Epirez Episet** range meets with the performance requirements of the Californian State Highway specifications for pavement markers. They are suitable for a wide variety of surfaces including bitumen, concrete, metal and many types of plastics.

Features

- Excellent adhesion
- High durability
- Easy mixing
- Variable set times
- Colour coded mixing
- Solventless

General properties

Shelf Life	:	2 years
Mixing Proportions	:	Equal parts by weight or volume
Colour	:	Light grey
Solids Content	:	100%

	EPISET ANCHOR ADHESIVE	EPISET STRUCTURAL ADHESIVE
Work Time, Minutes at 25°C	: 10	45
Set Time, Minutes at 25°C	: 15	120
Cure Time, Hours at 25°C	: 4	24
Californian Specifications	: 741.80-42	741.80-44
Lap Shear Strength, 7 days 25°C		
Aluminium to Aluminium	: 15 MPa	13 MPa
Bond Strength, 7 days 25°C		
Ceramic Marker to Concrete	: 2 MPa *	2 MPa *
Epoxy Marker to Concrete	: 2 MPa *	2 MPa *

*Concrete Failure

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

Estimating Data

1 litre Episet Anchor Adhesive = 1 m² at 1mm thick
1 litre Episet Structural Adhesive = 1 m² at 1mm thick

Application

Ensure the surfaces are free from dust, oil or moisture. Remove any surface skinning that may be present, measure equal proportions by weight or volume. Mix thoroughly and completely. Apply to back of marker and on road surfaces with pressure, using a suitable tool. Locate, press firmly into position and protect from traffic until fully hardened. Normal usage on bituminous surface requires about 3 litres of **Epirez Episet Adhesives** for 100 markers.

Surface preparation guidelines cannot cover all site or field contingencies and it is always recommended that an on-the-spot adhesion test be performed as part of the Standard Quality Assurance audit for the project.

Cleaning

Tools and equipment can be cleaned before hardening commences, by washing in **Epirez Clean Up Solvent**. Do not use for cleaning hands or mixing with product.

Limitations

Episet Structural Adhesive should not be applied at temperatures below 10⁰C

Packaging

Episet Anchor Adhesive and **Episet Structural Adhesive** are available in 600 ml dual cartridges and in 4 litre packs. Each pack contains Hardener and Compound in the correct proportions for use.

Ordering Information:

Episet Anchor Adhesive	600 ml cartridge	# 907126
	4 Litre	# 907128
Episet Structural Adhesive	600 ml cartridge	# 991675
	4 Litre	# 982427

Safety precautions

Avoid contact with skin and avoid breathing vapour. Wear gloves and goggles when mixing and using. Keep away from children. Provide adequate ventilation if applied in confined spaces. If poisoning occurs call a Doctor or Poisons Information Centre. If swallowed **DO NOT** induce vomiting. Give plenty of water or milk. If skin contact occurs remove any contaminated clothing and wash affected areas thoroughly with soap and water.

TDG Code: **Episet Anchor-** not classified
Episet Structural Adhesive - not classified

Note

The figures quoted for work time, set time and coverage are not definitive. They are dependent on job site conditions and will vary accordingly. In all cases we endeavour to provide typical figures for use as a guide.

Health & Safety Information

The products are hazardous. Material Safety Data Sheets are available from the ITW Polymers & Fluids Technical Department upon request or available on our website www.epirez.com.au.

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