

# Technical Data Sheet

## B510 HIGH TEMPERATURE GASKET SEALANT

Revised 03.08.10

## B510 Gasket Sealant

### PRODUCT DESCRIPTION

B510 is a fast set, Form-In-Place Gasket maker for all types of metal parts, sealing and resisting temperatures up to 200°C

### APPLICATIONS

B510 is used for sealing any shape or size of high temperature application, dressing gaskets or making rigid assemblies. Apply B510 by tube tracing, roll coating, screen printing, pads etc.

### USEFUL NOTES

Before cure takes place B510 will give an instant seal. The cure process can be accelerated with the use of Activator.

### PROPERTIES

Fast Set Instant Seal. Does not run or sag. Resists relaxation, shrinkage and operates at temperatures up to 200°C

### INSTRUCTIONS FOR USE

Ensure parts are clean, dry and free from oil and grease.

### PROCEDURE FOR APPLICATION

Product is normally hand applied from the bottle.

### COMPATIBLE ACCELERATORS/PRIMERS

Primers such as B7471 (Standard Anaerobic Activator) can be used, however up to 30% strength loss can occur when using accelerators, but cure thickness will increase with Activators up to the maximum limits.

### STORAGE

Store in a cool area out of direct sunlight.  
Shelf Life: 12 months @ ambient temperatures.

### HEALTH & SAFETY IN USE

**IRRITANT:** Contains Methacrylate Esters and some products contain small amounts of Acrylic Acid. Irritates eyes, the respiratory organs and the skin. In case of contact with the skin wash immediately with plenty of water.

### TECHNICAL FEATURES

Resin	Modified Acrylate
Colour	Pink Paste
Fixture Speed No Activator	Up to 12 hours
Fixture Speed With Activator	15mins to 2 hours
Viscosity	>50,000 cps (paste)
Gap fill	0.4 mm
Flash point	>100°C
Shelf life	12 months @ 20°C
Specific gravity	1.15
Max operating temp	-55°C to + 200°C

### CURED PERFORMANCE

Full Cure Time	2 hours
Typical breakway strength	N/mm(2)
Based on Pins/Collars Test	Range 4-12 N/mm(2)
Typical prevailing strength	12.5 N/mm (2) max
Percentage strength retained at	100°C > 50%
Percentage strength retained at	135°C > 25%
Percentage strength retained at	150°C >20%

### PRESENTATION

B510 is available in 50ml, 65ml and 250ml.

**PRECAUTIONS:** This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

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