

# 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

Clean and dry surfaces to be bonded. Apply adhesive to surface and assemble parts. Parts should be left for 15 minutes to reach handling strength. Leave for 12 hours to fully cure. Activators may be used to aid bonding on surfaces where imperfections in surface tolerance exceed maximum gap fill. Suitability should be determined prior to final application.

#### 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.

#### TECHNICAL FEATURES

Resin	Modified Acrylate
Colour	Dark Pink Paste
Fixture Speed No Activator	Up to 12 hours
Fixture Speed With Activator	15mins to 2 hours
Viscosity – Brookfield Sp7 @20rpm @ 25°C	>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	12 hours
Typical breakaway 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

Bottles..... 50ml, 65ml, 160ml, 250ml  
Clam Packs..... 50ml, 65ml

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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