

Technical Data Sheet

B577 PIPE SEAL

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BONDLOC[™]
FORMULAS THAT WORK

Bondloc 577 PIPE SEAL

TECHNICAL FEATURES

PRODUCT DESCRIPTION

B577 Pipe seal is a high viscosity thixotropic gel paste which cures rapidly, sealing instantly to 10 bar through its Anaerobic cure system in contact with metals in the absence of air (oxygen). When fully cured it resists pressure up to 350 bar. B577 is not suitable for oxygen systems. Good chemical/solvent resistance to Ethanol, Motor Oil, Unleaded Petrol, Acetone and Brake Fluid.

APPLICATIONS

Typical applications are in sealing of all types of threaded connections against water, oil, gases and most common materials conveyed by pipes.

USEFUL NOTES

When cure speed is extended due to low temperatures or inactive surfaces, activator can be used. Best results are found if B577 is applied to 2nd and 3rd threadform. Excess can be wiped away, any migration into lines will not solidify and can be flushed away during commissioning.

INSTRUCTIONS FOR USE

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

PROCEDURE FOR APPLICATION

Product is normally hand applied from the tube.

COMPATIBLE ACCELERATORS/PRIMERS

Primers such as B7471 (Standard Anaerobic Activator) or the faster B7649 Structural Accelerator can be used, however up to 30% strength loss can occur when using accelerators.

STORAGE

Store in a cool area out of direct sunlight. Shelf life >12 months @ ambient temperature.

HEALTH & SAFETY IN USE

Irritant : contains Methacrylate Esters.

Irritates the eyes, the respiratory organs and the skin.

In case of contact with the skin, wash immediately with plenty of water. Non toxic when cured.

Resin	Dimethacrylate
Colour	Yellow
Cure Speed with Activator	<10 minutes
Cure Speed without Activator	<15 mins @ 20°C
Viscosity	>50,000 cps
Gap Fill	0.05mm to 0.4mm
Flash Point	>100°C
Shelf Life	12 months @ 20°C
Specific Gravity	1.09
Max. Operating Temperature	+150°C

CURED PERFORMANCE

Full Cure Time	6-12 hours
Typical Breakaway Strength	>6 to <15 N/mm (2)
Prevailing Torque	>3 to < 9 N/mm (2)
Static Shear Strength	>5 to <15 N/mm (2)

PRESENTATION

Tubes.....65ml & 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.

Warranty: All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is considered accurate but is furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.