

# Technical Data Sheet

## WL77 Pipe Seal (White Label)

### PRODUCT DESCRIPTION

WL77 is a multi-purpose health and safety friendly anaerobic sealant, which develops medium strength in a short time. The compound cures in the absence of air between close fitting metal surfaces. Typical applications are in sealing of all types of threaded connections against water, oil, gases and most common materials conveyed by pipes.

WL77 is not suitable for oxygen systems.

WL77 has good chemical/solvent resistance to ethanol, motor oil, unleaded petrol, acetone and brake fluid.

WL77 is a Gas & Water approved adhesive, its approved to Gas EN751 and WRAS 5520.

### APPLICATIONS

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

### INSTRUCTIONS FOR USE

For best results, clean all surfaces with Bondloc B7063 and allow to dry. Apply a 360° bead of product to the leading threads of the male fitting, ensure the material is forced into the threads to thoroughly fill the voids. For larger threads and voids, adjust product amount accordingly and apply a 360° bead of product on the female threads also. Tightened fittings will instantly seal against moderate pressures. For maximum pressure resistance and solvent resistance allow the product to cure a minimum of 24 hours.

### COMPATIBLE ACCELERATORS/PRIMERS

If the material is as inactive metal or the cure speed is too slow, spray with activator B7649 and allow to dry. Apply manually as a continuous bead to one of the surfaces.

### STORAGE

Anaerobic adhesives shall be ideally stored in a cool, dry place in unopened containers at a room temperature between 8°C to 21°C. Do not return any unused material to its original container. Shelf life 12 months at ambient temperature.

### TECHNICAL FEATURES

Composition	Dimethacrylate Ester
Colour	Off white
Cure Time (Full)	24 hours
Cure Time (Initial)	30 mins
Viscosity @ 25°C Sp7@20rpm	100,000 – 200,000cps Thixotropic
Gap Fill	>0.20mm
Flash Point	>93°C
Shelf Life	2 Years
Specific Gravity	1.10
Solvent Content	None
Maximum operating temperature	150°C

### TYPICAL BOND CHARACTERISTICS

Full Cure Time	6-12 hours
Breakaway Strength	10-20 N.m
Prevailing Torque	5-10 N/mm <sup>2</sup>
Static Shear Strength	>5 to <8.5 N/mm <sup>2</sup>

### HEALTH & SAFETY

This technical information sheet does not constitute a Safety Data Sheet (SDS). Before using this product ensure you have read and fully understood this products SDS

### PACKAGING FORMAT

Bottles.....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 Safety Data Sheets (SDS) 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 are 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.

