



## ECT PS 77 Pipe Sealant

### Technical Data sheet

#### **PRODUCT DESCRIPTION**

PS77 Pipe seal is a high viscosity thixotropic gel paste which cures rapidly, sealing instantly to 10 bar through its anaerobic cure. When fully cured it resists pressure up to 350 bar. PS77 is not suitable for oxygen systems. Good chemical/solvent resistance to Ethanol, Motor Oil, Unleaded Petrol, Acetone and Brake Fluid.

#### **APPLICATION**

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 PS77 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**

For best results, clean all surfaces with B7063 and allow to dry.

For inactive metals or slow cure speeds, apply with B7649 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**

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.

#### **TECHNICAL FEATURES**

Resin	Dimethacrylate
Colour	Yellow
Cure Speed with Activator	<10 minutes
Cure Speed without Activator	<15 mins @ 20°C
Viscosity Brookfield Sp6 @20rpm @ 25°C	>50,000 cps
Gap Fill	0.5mm
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	11Nm
Prevailing Torque	>3 to < 9 N/mm (2)
Static Shear Strength	>5 to <15 N/mm (2)

#### **STORAGE**

Store in a cool area out of direct sunlight.

Shelf Life >12 months at ambient temperature

#### **HEALTH & SAFETY**

This technical information sheet does not constitute a Material Safety Data Sheet (MSDS). Before using this product ensure you have read and fully understood PS77 MSDS.

#### **PACKAGING FORMAT**

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

