

S977 Pipe Sealant

Engineering Adhesives

DESCRIPTION

S977 Pipe sealant with P.T.F.E is a high viscosity thixotropic gel paste, which cures rapidly, sealing instantly to 10 bar through its anaerobic cure system, in contact with Metals and the absence of air (oxygen). When fully cured it resists pressure up to 350 bar. S977 also has WRAS approval.

| Typical Properties(liquid product) | |
|--|--------------------|
| Chemical base: | Methacrylate Ester |
| Colour: | Fluorescent Yellow |
| Viscosity: | 75000-85000cps |
| Specific Gravity | 1.06 |
| Max.thread diameter: | 75mm |
| Max. gap filling: | 0.5mm |
| Temp Range: | -55°C to + 150°C |
| Physical Properties (cured product) @23°C | |
| Initial strength: | 20-30 minutes |
| Final strength: | 3-6 hours |
| Breakaway Strength (T _{BA}) (ISO 10964) | Up to 14 N.m |
| Prevailing Strength (T _P) (ISO 10964) | Up to 6 N.m |

APPLICATIONS

Typical applications are in sealing all types of threaded connections against water, oil, gases and most common materials conveyed by pipes. S977 is not recommended for oxygen rich systems under pressure.

Where cure speed is extended due to low temperatures or inactive surfaces, activator can be used. Best results are found if S977 Pipe sealant is applied to 2nd or 3rd thread form. Excess can be wiped away - any migration into lines will not solidify and can be flushed away during commissioning.

S977 exhibits excellent results with stainless steel, brass and copper, and can resist the effects of expansion and contraction without leakage. Recommended Thread sizes 6mm up to 75mm (coarse) Increase of gap size or fit extends the cure time.

DIRECTIONS FOR USE

- Parts should be clean, dry and dust free.
- Degreased parts will assist results.
- Apply sufficient product to fill joint.
- Assemble parts in traditional manner.
- To achieve handling strength allow product to solidify.

COMPATIBLE ACTIVATORS , ACCELERATORS & PRIMERS

Activators such as A471 Structural Activator or the faster A649 Structural Activator can be used, however, up to 30% strength loss can occur when using accelerators.



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STORAGE & SHELF LIFE

Store in a cool area out of direct sunlight

Shelf Life: 12 months @ 20°C

PACKAGING

Bottles: 50ml, 65ml & 250ml

Bulk: 10kg

HEALTH & SAFETY

Please refer to SDS



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