



**HOLDIT**<sup>®</sup>

**Technical Datasheet  
HOLDIT S57**

*Revised Date: June 2011*

**Description**

HOLDIT S57 Instant Pipe Sealant with Teflon is an easy to use anaerobic pipe sealant which sets fast to give an instant low pressure seal of 100 psi and a high pressure seal when fully cured. This high strength product provides 100% sealing capability and does not shrink after curing, unlike more traditional solvent based pipe dopes.

**Applications**

HOLDIT S57 lubricates parts during assembly. The cure system allows for realignment of parts up to 24 hours from application. This product can be used on most hydraulic, pneumatic, oil, water, and gas connections.

**Instructions for Use**

1. For best results clean all surfaces with a cleaning solvent and allow to dry.
2. If the metal is inactive or the cure speed is too slow apply HOLDIT A471 Standard Anaerobic Activator or HOLDIT A649 Structural Accelerator.
3. Before application shake the product thoroughly.
4. Apply the adhesive to the fixing position of the fastener or onto the internal threads of a blind hole.
5. Assemble components, and tighten to require torque level.
6. Allow to fully cure before applying load.

**Properties of Uncured Material.**

|                     |                |
|---------------------|----------------|
| Resin               | Dimethacrylate |
| Colour              | White          |
| Viscosity @ 25°C    | 350,000cps     |
| Pressure Resistance | 10,000psi      |

**Performance of Cured Material**

|                                 |                    |
|---------------------------------|--------------------|
| Fixture Speed with Activator    | <20 minutes @ 25°C |
| Fixture Speed without Activator | 4 hours            |
| Gap Fill                        | 0.5mm              |
| Max Operating Temperature       | -53°C to +204°C    |
| Full Cure Time                  | 24 hours @ 20°C    |
| Product Conformity              | GM 1182607         |
| Product Conformity              | NSF                |

**Compatible Primers**

Primer such as A113 Accelerator and A471 Activator can be used to speed the fixture time of the adhesive. Fixtures times can improve by as much as 50%. The use of primers can result in lower strength and performance and should be tested after full cure.

**ACTIVE & INACTIVE METAL TABLE**

| <b>Super Active</b><br>Very Fast Cure | <b>Active</b><br>Fast Cure     | <b>Inactive</b><br>Slow Cure  | <b>Passive</b><br>Primer Necessary          |
|---------------------------------------|--------------------------------|---|---|
| Brass, Copper, Magnesium              | Iron, Steel, Nickel, Aluminium | Stainless Steel, Titanium, Zinc, Anodized Aluminium, Galvanised Steel | Ceramics, Glass, Plastics, Painted Finishes |



**HOLDIT**  
**Technical Datasheet**  
**HOLDIT S57**  
*Revised Date: June 2011*

**Storage**

HOLDIT S57 should be stored in a dry cool area, out of direct sunlight in temperatures between -10°C and 30°C. Optimal Storage temperature is 22±4°C. This product has a 18 month shelf life from manufacture when stored at 22±4°C.

**Presentation**

HOLDIT S57 is available in 50ml and 250ml tubes.

**Note**

Apply to clean fittings filling the 2<sup>nd</sup> and 3<sup>rd</sup> threads. Prevent uncured sealant from entering the system by not filling the first thread. Product conforms to GM 1182607 NFS.

**Health & Safety in Use**

IRRITANT: Contains Methacrylate Esters and some products contain small amounts of Acrylic Acid. Irritates eyes, the respiratory organs and the skin. In case of contact with the skin wash immediately with plenty of water.

**Conversions**

- (°C x 1.8)+32 = °F
- N/mm x 5.71 = lb/in
- MPa x 145 = psi
- N/mm<sup>2</sup> x 145 = psi
- N x 0.225 = lb
- N·m x 8.851 = lb·in
- N·mm x 0.738 = lb·ft
- mPa·s = cP

**ACTIVE & INACTIVE METAL TABLE**

| <b>Super Active</b><br>Very Fast Cure | <b>Active</b><br>Fast Cure     | <b>Inactive</b><br>Slow Cure  | <b>Passive</b><br>Primer Necessary          |
|---------------------------------------|--------------------------------|---|---|
| Brass, Copper, Magnesium              | Iron, Steel, Nickel, Aluminium | Stainless Steel, Titanium, Zinc, Anodized Aluminium, Galvanised Steel | Ceramics, Glass, Plastics, Painted Finishes |

The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Holdtite Australia and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. It is the users responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore the users responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.