**Technical Datasheet**

**Holdtite S54**

**Product Description**

Holdtite S54 is a medium strength thixotropic threadlocker, that cures anaerobically to lock and seal all types of metal threaded fasteners. This grade has a unique balance of mechanical strength with chemical resistance, perfectly suited to hydraulic applications and assemblies.

**Typical Applications**

Holdtite S54 is well suited to a number of applications including:

* Locking and sealing hydraulic connections.
* Valve manufacture and assembly.

**Instructions For Use**

1. For best results clean all surfaces with a cleaning solvent and allow to dry.
2. If the metal is inactive (see Compatibility Chart) apply suitable Bondchem primer.
3. Shake the product thoroughly before application.
4. Apply the adhesive to the fixing position of the fastener or onto the internal threads of a blind hole.
5. Use suitable methods to assemble components, and tighten to required torque level.
6. Allow to fully cure before applying load.

**Properties of Uncured Material**

|  |  |
| --- | --- |
| Resin | Dimethacrylate |
| Colour | Brown |
| Viscosity @ 250C |  |
| Brookfield Sp 2 @ 20rpm | 400 – 800 cps |

**Performance of Cured Material**

|  |  |
| --- | --- |
| Fixture Speed | 30 Minutes @ 250C |
| Fixture Speed with Primer | <5 Seconds |
| Full Cure Time | 24 hours @ 200C |
| Typical Breakaway Strength | 15 Nm |
| Typical Prevailing Strength | 10 Nm |
| Temperature Range | -530C to 1480C |

**Packaging**

Holdtite S54 is available in 10ml, 50ml, 250ml LDPE bottles. In addition, we can offer automated dispensing lines for the bulk dispensing of this material.

**Storage & Shelflife**

Holdtite S54 should be stored in a cool dry area, out of direct sunlight. Stored correctly , this grade can offer a 12 month shelf life from manufacture.

**Health and Safety in Use**

**Irritant**: Contains Methacrylate Esters which may irritate eyes, respiratory organs and skin. In case of contact with the skin, wash immediately with plenty of water. For full Health and Safety information please consult the MSDS.