



## Silver Seal II TDS/Application Instruction Sheet

### Description:

**Silver Seal II** is a fibrous paste sealant used for sealing rough or irregular joints of turbines, boilers, heat exchangers, compressors, pumps, blowers, piping, ducting, process furnaces, paint ovens, or any high temperature/pressure metal to metal joint, or can be used as a gasket dressing. During joint assembly, sealant will flow into rough or irregular surfaces to provide a durable seal. **Silver Seal II** expands under heat and cures to a leathery like consistency, and will not crack due to thermal cycling or vibration. Joint disassembly is easy as the sealant does not excessively harden which allows for quick separation. **Silver Seal II** is not classified as a hazardous material and is able to be shipped by any means worldwide.

### Application Instructions:

Care should be taken not to contact bare skin with sealant. Gloves and long sleeve garment should be worn when applying this product.

Surface should be 120°F or less as sealant will spread more easily over a cooler surface. Remove debris and oils from the surface to be sealed. Spread **Silver Seal II** onto the joint face as evenly as possible using a spatula or putty knife, or by caulking a bead onto the surface. Assemble the joint and torque bolts to the recommended specifications. *Cure sealant prior to putting equipment into service.* **Silver Seal II** cures with heat: 250°F for 4-6 hours or 400°F for 1-2 hours (longer for wider flange surfaces). Service heat from equipment can be used, but minimal pressure should be applied. Cure time can be reduced by utilizing X-1 Catalyst which cuts the curing time to 1 hour at 250°F or 20 minutes at 400°F. Uncured product cleans up easily with mineral spirits or isopropyl (rubbing) alcohol. Use a wire wheel or synthetic abrasive pad to clean up cured material.

**Silver Seal II Tech Data:**

Cured State: Rubbery to Leathery

Specific Gravity: 1.07

Max Temperature: to 950°F

Max Pressure: 750 PSI

Chemically Resists (when cured): Gasoline, Perchlorethylene, Methylethyl Ketone, Toluene, Toluol, Acetone, Mineral Spirits, Methanol, Hydrochloric Acid (<170°F)

Joint Compressibility: 0.002 inch min. to 0.020 inch max. gap

Shelf Life: 1 year

Packaging: Half Pints, Pints, Quarts, Gallon and 5 Gallon Pails, 55-Gallon Drums, 10.3 oz. and 29 oz. Caulking Cartridges

*See MSDS information for precautions*