



Temp-Tite II TDS/Application Instruction Sheet

Description:

Two major turbine manufacturers specify **Temp-Tite II** as the sealant of choice for their equipment. **Temp-Tite II** is a plastic, high-solid sealant extruded into rope or string form and applied to a joint face, making it possible to seal complex joint designs without a premade gasket. Sealant is suited for sealing rough or irregular joints of turbines, boilers, heat exchangers, compressors, pumps, blowers, piping, or a variety of other high temperature/pressure metal to metal joints. During joint assembly, sealant will flow into rough or irregular surfaces to provide a durable seal. **Temp-Tite 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. **Temp-Tite 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 apply more easily over a cooler surface. Remove debris and oils from the surface to be sealed. Apply **Temp-Tite II** string to joint surface by unwinding it from the spool and applying it by hand around joint design and bolt holes. Be sure to overlap the string where needed. Use **Turbo-R** or **Turbo-50** in conjunction with **Temp-Tite II** if string fails to adhere to vertical joint surfaces. Assemble the joint and torque bolts to the recommended specifications. *Cure sealant prior to putting equipment into service.* **Temp-Tite 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.

Tech Data:

Cured State: Rubbery to Leathery

Specific Gravity: 1.20 (at 77°F)

Max Temperature: to 950°F

Max Pressure: 750 PSI

Chemically Resists (when cured): Gasoline, Perchloroethylene, Methylene 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 bulk containers, 6 months extruded string. Refrigerate for best results.

Packaging: Field Repair Kits, 1 or 5 Pound Spools, and Bulk 1 or 2 Pound cans. String diameters from 1/16 inch through 1 inch are available.

See MSDS information for precautions