

SEALANT FACT SHEET



Description

Applications

Benefits

MP-3000

MP-3000 is a compressible refractory sealant designed for use in continuous casting operations to prevent metal breakouts and air aspiration.

- Sealing shrouds
- Dummy bar head
- Tundish nozzles

- Versatile and convenient to use
- Conforms to rough or misaligned equipment
- Equipment is easily cleaned after use
- Resists temperatures up to 2900°F
- Will not bake on to the equipment

STOVEMATE

Stovemate is a black paste refractory sealant that can patch cracks in virtually any refractory material.

- Used on bolt-together solid fuel stoves, boilers, heat exchangers and fireplace inserts
- Used on stovepipe sections, exhaust stacks and air-moving equipment

- Sets up with heat
- Provides a nonshrinking, non-cracking seal
- Withstands the contractions and expansions of heating cycles
- At 250°F or above, Stovemate becomes insoluble in water

IGS-1000

IGS-1000 is a moist, hand-applied pack used as a heat shield and heat sink for protecting sensitive parts while welding, soldering or brazing.

- Protects wire insulation and delicate parts during soldering or brazing
- Protects painted or machined surfaces from flame and welding splash
- Prevents heat distortion
- Isolates plumbing joints

- Safe, nontoxic formula
- Quick and easy to use
- Cleans up with water
- Completely nonflashing and non-burning

DUCT-TITE

Duct-Tite is a nonshrinking, noncracking sealant used on the joints of industrial ovens.

- Used as a sealant for paint ovens, drying ovens and curing ovens
- Used on heat exchangers and flue stacks

- Nonshrinking and noncracking
- Remains pliable to withstand thermal cycling
- Outlasts silicones above 500°F
- Not affected by most industrial chemicals

Setup and Precuring

IGS sealants set up with heat to form durable, pressure-resistant seals. IGS sealants have a high degree of tack and pressure resistance even when uncured; however, when very high pressures are expected, or when the joint is very rough, the sealant within the joint should be cured before service. Heating the sealed joint for 30 to 60 minutes at 400°F, or for 4 to 6 hours at 225°F (without pressure) will set up the sealant.

Gasket Dressings

Silver Seal II and Turbo are often used as gasket dressings, or as cements to hold Temp-Tite II or other gaskets in place during assembly.

Catalysts

X-1 Catalyst is a heat-activated catalyst and causes sealant setup to occur rapidly at 200°F and above: within 1-2 hours at 225°F, and within 30 minutes at 400°F. A sealant catalyzed with X-1 has about a 12-hour pot life.

728 Catalyst is sprayed or brushed on to a thin film of sealant which has already been applied to a joint, and causes an immediate partial set to occur. Subsequent heating of the joint will complete the cure.



Contain No Asbestos

