

UT-X/FE[®] POWDER ultrasonic couplant

UT-X/FE Powder is a couplant concentrate useful for flaw detection and thickness gaging applications where ferrous corrosion inhibition is a concern.

UT-X/FE Powder

UT-X/FE Powder is a cost effective concentrate that is mixed with water at the inspection site. The compact and lightweight packets are easy to transport to distant sites or store for unanticipated shortages as emergency couplant. UT-X/FE Powder incorporates a ferrous corrosion inhibitor, a preservative, a viscosity building polymer and ease of mixing in a pre-measured packet.

Temperature Operating Range

32° to 130°F (0° to 54°C) in standard tap water
Can be winterized to -20°F (-29°C)

Benefits

- Enhanced corrosion inhibition for cast iron and steel
- Economical
- Provides fast, lump free mixing
- Concentrated to reduce shipping costs and storage space requirements

Removal

- Remove immediately after inspection with a water rinse.

Safety

- UT-X/FE Powder contains sodium nitrite. Rubber gloves are recommended for handling concentrate.

Corrosion Inhibition

UT-X/FE Powder contains a ferrous corrosion inhibitor for cast iron and steel.

Chemical Analysis and Certification

An independent laboratory **representative analysis** of Chlorine and Sulfur referencing ASTM procedures is furnished with each shipment at *no additional charge*. (The test sample is prepared with municipal water.)

Properties¹

Total Halogens..... typically<50 ppm
Sulfur..... typically<50 ppm
Viscosityvariable by altering water amount
Mix UT-X/FE Powder with water to obtain the viscosity required for the application.

pH ~9

¹When mixed with typical municipal water at recommended levels.

Shelf Life

Three (3) years in an unopened packet stored at constant room temperature and out of sunlight. A prepared container of UT-X/FE Powder, properly sealed and stored, has an approximate shelf life of one month.

Packaging (nominal amount of prepared gel)

1-gallon packet
5-gallon packet

