

UT-X[®] POWDER ultrasonic couplant

ENVIRONMENTALLY BENIGN

UT-X Powder is a couplant concentrate useful for flaw detection and thickness gaging applications where ferrous corrosion inhibition is not a concern.

UT-X Powder

UT-X 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 Powder incorporates a mild 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

- Economical
- Provides fast, lump free mixing
- Concentrated to reduce shipping costs and storage space requirements
- Environmentally benign

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.)

Removal

- Remove immediately after inspection with a water rinse.
- Biodegradable and environmentally benign.

Packaging (nominal amount of prepared gel)

1-gallon packet
5-gallon packet

Corrosion Inhibition

UT-X Powder incorporates a mild corrosion inhibitor. If corrosion is a concern, UT-X/FE Powder or a prepared couplant such as Ultragel II, Sonotrace, or Echogel provide a high level of ferrous corrosion inhibition.

Environmental Awareness

Sonotech developed environmentally benign couplants to minimize impact on the environment. UT-X Powder contains biodegradable materials, safe for disposal. The likelihood of skin irritation has been reduced through the use of cosmetic grade ingredients.

Environmentally benign couplants are designed specifically for applications where couplant may not be removed by the inspector, may later be removed by weather, or could come into contact with animals, humans, and waterways.

Properties¹

Total Halogens..... typically<50 ppm
Sulfur..... typically<50 ppm
Viscosityvariable by altering water amount

Mix UT-X 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 Powder, properly sealed and stored, has an approximate shelf life of one month.



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