EchoTherm™ Extreme removes the industrial accident liability, personnel risk and ‘startle’ factor of unanticipated auto-ignition events when conducting high temperature ultrasonic inspections. If ultrasonic gaging or corrosion testing is performed in a potentially flammable or explosive atmosphere, EchoTherm Extreme is recommended as the only couplant that will not auto-ignite under 1300°F, nor leave a residue.

**PRODUCT DESCRIPTION**

The ideal couplant for inspection ports:
- No auto-ignition under 1300°F
- No minimum operating temperature

Minimal residue to interfere with subsequent inspections.

Less smoke than high-temperature couplants containing a plastic polymer.

Ultra-high temperature couplant intended to optimize sound transmission and reduce surface noise.

Does not contain plastic to melt before conducting sound:
- Instant response time
- Increases testing efficiency
- Reduces the time transducers are exposed to high temperatures

**PRODUCT SPECIFICATIONS**

- **Operating Range:**
  Ultrasonic flaw, corrosion and thickness: -40° to 1250°F (-40° to 675°C)

- **Auto-ignition Temperature***: >1300°F (704°C)
  *Test by John A Kennedy & Assoc., ASTM E659-14

- **Viscosity:** Paste

- **Chemistry**¹:
  - Chlorides: Typically <1 ppm
  - Total Halogens: Typically <5 ppm
  - Sulfur: Typically <1 ppm

  ¹. Leachable Halogens: Chlorine by Turbidometric Analysis MAS-ICP, Rev 15 ICP

- **Conforms to ASTM F 519-3**
- Hydrogen Embrittlement

**PACKAGING**

ETM-EX-02:
2 fluid oz. / 4 oz. avdp (weight), metal tubes

SDS available at www.echoultrasonics.com

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