EchoTherm™ Extreme

High Temperature
Ultrasonic Couplant

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 Turbidemetric 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

ECHO ultrasonics
The couplant experts

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