

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

- **Chemistry¹**:

Chlorides: Typically <1 ppm

Total Halogens: Typically <5 ppm

Sulfur: Typically <1 ppm

1. Leachable Halogens: Chlorine by Turbidimetric 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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