

# Liquid Couplants

To facilitate fast and reliable measurements across all temperatures

**Keywords:** liquid couplant, corrosion, erosion, inspection, high temperature

**ionix**

ADVANCED TECHNOLOGIES



## DESCRIPTION

Thickness gauging and corrosion mapping is often conducted in-service at temperatures exceeding 250°C (482°F) where not only can the couplant degrade, evaporate, or vaporise, but also reach the temperature at which auto-ignition can occur. Ionix supply a range of couplants for temperatures from -45 to +675°C (-50 to +1250°F). Our couplants offer high temperature stability, low corrosion characteristics, low toxicity, and smoke, and have clear indication of their auto-ignition temperatures.

## BENEFITS

- Gels or pastes with different viscosities for all applications.
- Couplants for all measurement applications from -45 to +675°C (-50 to +1250°F).
- Provide strong signals and fast response measurements across a broad range of temperatures.
- Non-toxic with low smoke and no residue options available.
- Options which meet ASTM F519 and offer long-term corrosion resistance and inhibition.
- Low viscosity options for scanning, by request.

## APPLICATION

- All thickness measurements from -45 to +675°C (-50 to +1250°F).
- Scanning applications with low viscosity products.



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PARAMETER	TEMPERATURE RANGE	PRODUCT CODE	UNIT
VersaSonic®, High Viscosity Meets ASTM F519 for corrosion resistance	-23 to +371°C (-10 to +700°F)	VS-04	4 fl. Oz/ 120mL
HiTempco Ultrasonic Couplant Excellent corrosion inhibition	-45 to +412°C (-50 to +775°F)	HT-04	4 fl. Oz/ 120mL
EchoTherm™ High Temperature Couplant	+93 to +538°C (+200 to +1000°F)	ETM-02	4 fl. Oz/ 120mL
EchoTherm Extreme™ High Temperature Couplant Meets ASTM F519 for corrosion resistance.	-40 to +675°C (-40 to +1250°F)	ETM-EX-02	4 fl. Oz/ 120mL
Echo 6 High Temperature pumpable couplant	-40 to 357°C (-40° to 675°F)	Echo-6HT	1 Gallon/3.8 litres
Echo 8 High Temperature pumpable couplant	-45 to 425°C (-50° to 800°F)	Echo-8HT	1 Gallon/3.8 litres

Other couplants available by special request to meet any inspection requirements. Contact Ionix for more information.

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