

All Echo Ultrasonics® couplants have been formulated with operator safety and environmental regulations as a priority.

	Couplant	Key Benefits	Viscosity	Temperature Range	Corrosion Characteristics
Ambient Temperature	UltraSoniX™	<ul style="list-style-type: none"> Overhead/vertical application (medium and high viscosity) Slow drying Fast Wetting No nitrates, nitrites, glycol ethers or formaldehyde Glycerin-free Water soluble, acrylic polymer, least residue 	High Medium	10° to 220°F -12° to 104°C	Very good Meets ASTM F519
	EchoTrack™	<ul style="list-style-type: none"> Economical high performance Overhead / vertical application (medium & high viscosity) Slow drying Fast wetting No nitrates, nitrites, glycol ethers or formaldehyde Glycerin-free Water soluble, acrylic polymer, least residue 	High Medium	18 to 180°F -8 to 82°C	Very good Meets ASTM F519
	EchoPure™	<ul style="list-style-type: none"> Broadest temperature range for water-soluble couplants Very slow drying Overhead / vertical application Excellent transducer lubrication 	High Medium Low Fluid	-60 to 350°F -51 to 176°C	Very good



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Ambient Temperature	SoniX™	<ul style="list-style-type: none"> • Salt stable (boiler and corrosion salts, etc.) • Strong lubricious coupling film • Fast Wetting • No nitrates, nitrites, glycol ethers or formaldehyde • Glycerin-free • Water soluble, cellulose based 	High viscosity fluid 40,000 cps	18° to 120°F -8° to 50°C	Very good Meets ASTM F519
	ECONOGel™	<ul style="list-style-type: none"> • Most economical UT water-soluble couplant • Glycerin and silicone-free • Completely salt stable 	Medium Viscosity	26° to 120°F -3.3° to 48°C	Good
	Glycerin	<ul style="list-style-type: none"> • Packaged from USP glycerin, 99+% • High acoustic impedance • Will not harden on equipment • Pumpable fluid • Boiling point 555°F / 290°C • Compatible with plastics 	Low viscosity fluid	65° to 500°F 18° to 260°C	Can be corrosive to carbon steel and aluminum No corrosion effect in most plastics, fiberglass or composites

Powder	EchoMix® Powder	<ul style="list-style-type: none"> • Powder couplant easily mixed in water • Good wetting • Salt resistant, cellulose based • No formaldehyde • Compact for shipping and storage • Water soluble • Operating range can be extended with propylene glycol antifreeze 	Medium gel 23,000 cps Adjustable low to high	32° to 120°F 0° to 50°C	Mild, short term ferrous corrosion inhibition
High Temperature	VersaSonic®	<ul style="list-style-type: none"> • Broad operating range • Best performing UT couplant between 300 and 700°F • Fast Response, no wait time • Low smoke / Low toxicity /No char residue • Does not contain peanut oil 	Gel and paste	-10° to 700°F -23 to 371°C	Best long-term corrosion protection
	EchoTherm™	<ul style="list-style-type: none"> • Most economical ultra-high temperature couplant • To extend operating range, EchoTherm contains a plastic polymer which melts and begins to smoke at 750°F • Leaves plastic residue (char) 	Paste	200° to 1000°F 93 to 538°C	N/A
	EchoTherm Extreme™	<ul style="list-style-type: none"> • Highest performance extreme temperature couplant • Fast Response, no wait time • No plastic polymer • No plastic char residue • Broadest operating range • Low smoke 	Paste	-40° to 1250°F -40 to 675°C	N/A



Fluid	Echo 4 HT™	<ul style="list-style-type: none"> • Water soluble • Least expensive higher temperature fluid couplant 	Fluid	-70 to 450°F -56 to 230°C	Excellent
	Echo 8 HT™ 4 Viscosity Grades	<ul style="list-style-type: none"> • Broadest operating range • Minimal Smoke • Minimal residue 	Fluid	-50° to 800°F -45° to 425°C	Excellent
	VersaSonic® Fluid	<ul style="list-style-type: none"> • Excellent corrosion inhibition • Broad operating range • Soluble in alcohol 	Fluid	-10 to 700°F -23° to 371°C	Excellent

