

Echo Z⁺™

High Acoustic-Impedance Ultrasonic Couplant

EchoZ⁺ is a high acoustic-impedance ultrasonic couplant. It increases the signal and decreases surface noise, making it ideal for very rough, pitted, corroded surfaces or tight-curved test objects, and concrete.

PRODUCT DESCRIPTION

High acoustic impedance

Decreases surface noise

Five viscosities

Strong corrosion inhibition

Ideal for rough surfaces and concrete

Removal: Water-soluble. Wipe with wet or dry cloth or water wash.

Chemical Profile: Contains no VOCs, naphtha, oil, hydrocarbons, silicones, petroleum distillates, dyes or fragrance.

PACKAGING

GRADE	4-oz Squeeze Bottle	4-oz Metal Tube	8-oz Jar
Fluid	X		
Low	X		
Medium		X	
High		X	
Very High			X



PRODUCT SPECIFICATIONS

Operating Range: 0° to 200°F (-18° to 93°C)

Viscosity:

GRADE	Viscosity	Brookfield LV# at 20°C
Fluid	2,000 cps – flowable liquid	2 @ 6 rpm
Low	35,000 cps – flowable gel	4 @ 3 rpm
Medium	175,000 cps – paste	5 a @ 1.5 rpm
High	600,000 cps – thick paste	5 @ 0.6 rpm
Very High	2,200,000 cps – very thick paste	5 @ 0.3 rpm

Density: 1.4 g/cc

Velocity: 2.6 mm/μsec

Acoustic Impedance: 3.7 MRayls

Chemical Profile: Contains no VOCs, naphtha, oil, hydrocarbons, silicones, petroleum distillates, dyes or fragrance.

Corrosion Characteristics: Contains a short term ferrous corrosion inhibitor. Echo Z+ contains glycerin and is intended to be removed from non-ferrous metal parts after inspection. Corrosion testing advised for aluminum-magnesium aircraft parts.

SDS available at www.echoultrasonics.com

ECHO ultrasonics
The couplant experts

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