

Echo Z⁺™

High Acoustic-Impedance Ultrasonic Couplant

Echo Z⁺ is a high acoustic-impedance ultrasonic couplant. It increases acoustic impedance 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

Three viscosities

Strong corrosion inhibition

Ideal for rough surfaces and concrete

PACKAGING

Fluid viscosity:

4-fluid oz. / 118 ml bottle

Medium viscosity:

4-fluid oz. / 118 ml metal tube

High viscosity:

4-fluid oz. / 118 ml metal tube

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

SDS available at www.echoultrasonics.com

PRODUCT SPECIFICATIONS

Operating Range:

0° to 200° F (-18° to 93° C)

Viscosity:

Fluid viscosity (flowable liquid - 2,500 cps)

Brookfield LV # 2 @ 6 rpm, at 20°C

Medium viscosity (paste - 175,000 cps)

Brookfield LV # 5 @ 1.5 rpm, at 20°C

High viscosity (thick paste - 700,000 cps)

Brookfield LV # 5 @ 0.6 rpm, at 20°C

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.



Echo Ultrasonics®, LLC
774 Marine Drive | Bellingham, WA 98225
echoultrasonics.com | sales@echoultrasonics.com
360.671.9121