

HIGH Z ultrasonic couplant

High acoustic impedance provides increased ultrasound coupling with reduced surface noise. The properties of High Z are well suited to testing on curved, rough and/or corroded surfaces.

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

Benefits

- Provides the highest acoustic transmission of all Sonotech couplants, thus reducing surface noise and improving coupling performance when gaging or testing metals, especially those with rough surfaces.
- Close acoustic match to Lucite wedges used for angle beam inspection
- Available in a high or low viscosity
- Contains glycerine

Safety

- Non-flammable and non-irritating
- No silicones, surfactants or petroleum distillates
- No heavy metals incorporated into formula

Removal

- Water-soluble; remove with water.

Properties¹

Viscosity

Low Viscosity.....	~40,000 cps
(Brookfield LV #5 @ 1.5 rpm)	
High Viscosity.....	~500,000 cps
(Brookfield LV #5 @ 1.5 rpm)	

Density.....	1.4 g/cc
Velocity.....	2.64 mm/μsec
Acoustic Impedance.....	3.69 MRayls

¹At ambient temperature.

Corrosion Inhibition

High Z couplant contains a corrosion inhibitor for steel with a relative effectiveness rating of 70 (refer to Sonotech's Quantitative Ultrasonic Couplant Comparison Chart - call for a copy) and is compatible with aluminum and titanium alloys.

Packaging

4-ounce (100 gram) net weight tube

