

HIGH Z ultrasonic couplant



High Z is a high acoustic impedance couplant which optimizes acoustic transmission and reduces surface noise on curved, rough, pitted, or heavily corroded surfaces including concrete.

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 thickness gaging or testing rough or curved surfaces.
- Contains glycerine
- Available in a high or low viscosity
- Environmentally benign formula

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

A basic premise in NDT is that it must be truly nondestructive. The couplant must not cause detrimental metallurgical damage to the part through corrosion. Sonotech has developed a sensitive ferrous corrosion test and rating system for our couplants that evaluates both surface and crevice corrosion.

- High Z contains a corrosion inhibitor for ferrous metals with a relative effectiveness rating of 70. Ferrous Corrosion Characteristics Chart available at <http://www.sonotech-inc.com>.

Packaging

4-ounce (100 gram) net weight tube

