

SOUNDCLEAR[®] ultrasonic couplant



ENVIRONMENTALLY BENIGN



Soundclear is an environmentally benign couplant that holds on overhead surfaces and fills depressions in rough surfaces, facilitating its use in flaw detection, thickness gaging, and acoustic emission testing.

Temperature Operating Range:

20° to 200°F (-7° to 93°C)

Benefits

- Environmentally benign formula
- Increased acoustic impedance for reduced surface noise
- Good surface wetting capability
- Slow drying with enhanced transducer lubrication
- Gel viscosity holds on a majority of overhead and vertical surfaces
- Low skin irritation potential

Safety

- Non-flammable, Non-irritating
- Contains NO heavy metals, harsh surfactants, glycol ethers, nitrites, silicones, dyes or fragrances.

Removal

- Water soluble; easily removed with water rinse

Chemical Analysis and Certification

Independent laboratory analysis of Chlorine, Fluorine and Sulfur referencing ASTM procedures is furnished with each shipment at no additional charge and is available at <http://www.sonotech-inc.com>

Total Halogens..... <50 ppm

Sulfur..... <50 ppm

Contains glycerine

Acoustic Transmission

Optimal transmission requires that an ultrasonic couplant have no air bubbles that can reflect, scatter, and attenuate sound waves. Sonotech's unique processing eliminates couplant air bubbles.

Corrosion Inhibition

Soundclear contains a ferrous corrosion inhibitor with a relative effectiveness rating of 45, and is compatible with aluminum and titanium alloys. Ferrous Corrosion Characteristics Chart available at <http://www.sonotech-inc.com>.

Environmental Awareness

Sonotech developed environmentally benign couplants to minimize impact on the environment. Soundclear contains biodegradable materials, safe for disposal. The likelihood of skin irritation has been reduced through the use of cosmetic grade ingredients. Environmentally benign couplants are designed specifically for applications where couplant may be removed by weather, or could come into contact with animals, humans, and waterways.

Properties¹

Viscosity

- Grade 60..... ~170,000 cps
(Brookfield Helipath Spindle E @ 1.5 rpm)
- Grade 40..... ~105,000 cps
(Brookfield Helipath Spindle E @ 1.5 rpm)

pH..... 7.8±.5

¹At ambient temperature.

Packaging (Grade 60)

1-gallon (4 liter) container
5-gallon (18.9 liter) container
15-gallon (56.8 liter) drum
55-gallon (208.2 liter) drum
12ea x 12 oz (340g) carton

Grade 40 is available by custom order only in 55-gallon drums (minimum order six drums).



774 Marine Drive, Bellingham, WA 98225-1530
sonotech@sonotech-inc.com

360-671-9121
Order Phone: 800-458-4254

Fax 360-671-9024
Order Fax: 800-730-9024

www.sonotech-inc.com

