

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 excellent transducer lubrication
- Gel viscosity holds on a majority of overhead and vertical surfaces

Safety

- Non-flammable, Non-irritating, orally nontoxic
- 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 provided at no additional charge.

Chemistry

Total Halogens.....<50 ppm
Sulfur.....<50 ppm
Contains Glycerine

Packaging

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 60)

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 corrosion inhibitor for steel with a relative effectiveness rating of 45 (refer to Sonotech's Quantitative Ultrasonic Couplant Comparison Chart - call for a copy) and is compatible with aluminum and titanium alloys.

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 not be removed by the inspector, may later 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.



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