

SOUNDSAFE[®] HV (High Viscosity) ultrasonic couplant

NSN 6850-01-157-4348

ENVIRONMENTALLY BENIGN



Soundsafe HV offers the highest viscosity and performance couplant of the environmentally benign series. Ideal for use in overhead, vertical and horizontal applications where environmental concerns are a primary consideration.

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

Benefits

- Enhanced viscosity holds on most overhead and vertical surfaces
- Environmentally benign formula
- Increased acoustic impedance for reduced surface noise
- Good surface wetting capability
- Slow drying with excellent transducer lubrication
- Corrosion inhibiting system for ferrous based materials

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

Chemical Analysis and Certification

Independent laboratory analysis of Chlorine and Sulfur referencing ASTM procedures is furnished with each shipment at no additional charge.

Spectrochemical, Graphite Furnace, Atomic Absorption analysis, or heavy metal certification is available for an additional charge.

Halogens (as Chlorides).....<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.

Properties¹

Viscosity.....~200,000 cps
(Brookfield Helipath Spindle E @ 1.5 rpm)
Velocity.....1.60 to 1.65 mm/μsec
Acoustic Impedance.....1.70 to 1.75 MRayls
pH..... 7.8[±].5

¹At ambient temperature.

Corrosion Inhibition

Soundsafe contains a ferrous corrosion inhibitor with a relative effectiveness rating of 75, and is compatible with most composites and metals. Ferrous Corrosion Characteristics Chart available at <http://www.sonotech-inc.com>.

Environmental Awareness

Sonotech developed environmentally benign couplants to minimize impact on the environment. Soundsafe 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.

Packaging

12-ea x 3.2 oz. pump* (90.7g) carton
1-gallon (4 liter) container
5-gallon (18.9 liter) container
15-gallon (56.8 liter) drum
55-gallon (208.2 liter) drum

*Soundsafe HV is available in a unique 3.2 oz. pump for thickness gaging. The non-refillable pump applies the couplant easily to overhead or hard to reach surfaces, can be emptied completely, does not require 'shaking' which induces air bubbles into the gel, and is easy to carry.



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