

ECHOGEL[®] W ultrasonic couplant

An industry standard since 1974, Echogel W is “winterized” to -20°F for high volume flaw inspection at below freezing temperatures.

Temperature Operating Range
-20° to 175°F (-29° to 79°C)

Benefits

- Outstanding wetting capabilities; will quickly wet oily or dirty surfaces
- Remains stable on corrosion or salt cake, and is recommended for inspection of power generating boilers when salt cake is present

Safety

- Non-flammable, non-irritating
- Contains NO hydrocarbons, oils, or glycerine

Removal

- Can be completely removed with mild detergent and a water wash or water spray

Chemical Analysis and Certification

Independent laboratory analysis of Chlorine and Sulfur referencing ASTM procedures is provided at no additional charge.

Packaging

55-gallon (208.2 liter) drum

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.

- Echogel W contains a ferrous corrosion inhibitor with a relative effectiveness rating of 70 (refer to Sonotech's Quantitative Ultrasonic Couplant Comparison Chart - call for a copy) and is compatible with most composites and metals.

Chemistry

Total Halogens.....<50 ppm
Sulfur.....<50 ppm

Properties¹

Viscosity

Grade 10 (low).....~3,000 cps (Brookfield LV Spindle #4 @ 60 rpm)
Grade 14 (medium).....~25,000 cps (Brookfield LV Spindle #4 @ 6 rpm)
Grade 20 (high).....~75,000 cps (Brookfield LV Spindle #4 @ 6 rpm)
Grade 30 (semisolid).....~160,000 cps (Brookfield LV Spindle #5 @ 6 rpm)

¹ At ambient temperature.

