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**Technical Bulletin 324**  
**CircleSonic Ultrasonic Couplant**  
**General Purpose**

CircleSonic General Purpose Couplant is a high-performance, water-soluble ultrasonic coupling medium designed for flaw detection & thickness testing.

Formulated to deliver consistent acoustic transmission and reliable performance, this couplant exhibits shear-thinning characteristics, allowing it to spread easily under pressure while maintaining stability at rest.

The glycerin-free formulation is easy to clean & provides excellent corrosion protection, slow dry times, and strong adhesion on vertical and overhead surfaces, making it ideal for a wide range of applications.

**Properties**

Appearance: Clear, green to pale green gel

pH: 7.0 – 8.0

Temperature Limits: 10°F – 220°F (-10°C - 104°C)

Shelf Life: 1\* year

\*The stated one-year shelf life is based on accelerated stability testing under controlled conditions. Real-time stability testing is ongoing for a two-year period, and the shelf life may be extended upon completion and verification of those results.

**Directions for Use**

Ensure test surfaces are clean, dry, and free from oil, grease, or debris that could interfere with sound transmission. Apply CircleSonic General Purpose Couplant directly to the inspection area or transducer. Perform ultrasonic testing according to standard procedures. Reapply couplant as needed to maintain consistent sound transmission. Wipe away excess couplant with a clean cloth or paper towel. If necessary, rinse the surface with water to remove residue.

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