

# Sonotrace

## Ultrasonic Couplant

Sonotrace® is a general-purpose ultrasonic couplant for flaw detection and thickness gauging applications. This glycerin-free couplant is a great choice for applications requiring minimum halogens, sulfur and low melting point metals, and offers good performance at a lower price point.

Sonotrace comes in two different viscosities, Sonotrace 30 which is a medium-thick gel and Sonotrace 40 which is slightly more viscous.

### BENEFITS

- Contains humectants to retard drying for longer inspection time
- Very good corrosion inhibition
- Nuclear grade
- Good surface wetting to quickly cover oily or dirty surfaces
- Water washable for easily removal
- Silicone free
- Glycerin free
- Slower drying
- Good price-to-performance value

### SPECIFICATION COMPLIANCE

- API
- ASME
- AWS

### APPLICATIONS

**Defect location:** subsurface

**Ideal for:**

- Thickness gauging
- Flaw detection
- Aerospace inspections
- Nuclear inspections
- Composites
- Weld inspection
- Aircrafts
- Airframes

### USE RECOMMENDATIONS

<b>NDT Method</b>	Ultrasonic Testing
<b>Required Equipment</b>	UT equipment, transducer
<b>Temperature Range<sup>†</sup></b>	25 to 175°F / -4 to 79°C
<b>Compatibility</b>	Most composites and metals

<sup>†</sup> Couplant integrity and acoustic performance may decline beyond these temperature limits.

**PROPERTIES**

<b>Appearance</b>	Transparent gel
<b>Color</b>	Light green
<b>Comparative Viscosity*</b>	Sonotrace 30: 4.5
<b>Sonotrace 40: 5.5</b>	No
<b>Silicone</b>	No
<b>Glycerin</b>	No
<b>Propylene Glycol</b>	Yes
<b>Halogens</b>	< 50 ppm
<b>Sulfur</b>	< 50 ppm
<b>Water Soluble</b>	Yes

\* Subjective measure, 0–10 scale where 0 = water, 5 = medium gel, 10 = very thick paste

**INSTRUCTIONS FOR USE**

Apply a small amount of couplant to the transducer or inspection area before measurement.

**REMOVAL**

Remove couplant with water rinse (warm/hot water recommended), isopropyl alcohol or 100% ethyl alcohol.

**STORAGE**

Store couplant in the original container. Do not freeze. Store out of direct sunlight. Keep container closed when not in use. Never put unused couplant back into the original storage container. If pumps or valves are used to dispense bulk couplant, wash them thoroughly between drums to avoid contaminating new product. Refer to Safety Data Sheet for additional storage instructions.

**PACKAGING****Sonotrace 30**

1 gal / 3.78 L cubitainer	42-901
5 gal / 18.9 L cubitainer	42-905
55 gal / 208 L drum	42-955

**Sonotrace 40**

1 gal / 3.78 L cubitainer	43-901
5 gal / 18.9 L cubitainer	43-905
55 gal / 208 L drum	43-955

**HEALTH AND SAFETY**

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the product Safety Data Sheet, which is available at [www.magnaflux.com](http://www.magnaflux.com).