

Sonotrace

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Ultrasonic Couplant

Sonotrace 30® is a general-purpose ultrasonic couplant in medium-thick gel viscosity 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.

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

NDT Method	Ultrasonic Testing
Required Equipment	UT equipment, transducer
Usage Temperature†	25 to 175°F / -4 to 79°C
Storage Temperature	50 to 86°F / 10 to 30°C
Compatibility	Most composites and metals

† Couplant integrity and acoustic performance may decline beyond these temperature limits.

PROPERTIES

Appearance	Transparent gel
Color	Light green
Comparative Viscosity*	4.5
Silicone	No
Glycerin	No
Propylene Glycol	Yes
Halogens	< 50 ppm
Sulfur	< 50 ppm
Water Soluble	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

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.

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