

# Shear Gel

## Ultrasonic Couplant

Shear Gel is specially-formulated, shear-wave couplant to provide coupling for shear waves generated by normal incidence (zero degrees) shear wave transducers.

### BENEFITS

- Extremely high viscosity to couple normal incidence shear waves
- Water-washable for easy removal
- Very good corrosion inhibition

### SPECIFICATION COMPLIANCE

- API
- ASME
- AWS

### APPLICATIONS

**Defect location:** subsurface

**Ideal for:**

- Shear wave testing
- Angle beam inspection
- Weld inspection

### PROPERTIES

<b>Appearance</b>	Thick, brown paste
<b>Color</b>	Dark brown
<b>Viscosity</b>	Very thick gel-paste
<b>Silicone</b>	No
<b>Glycerin</b>	No
<b>Propylene Glycol</b>	No
<b>Water Soluble</b>	Yes
<b>Sulfur</b>	<50 ppm
<b>Water Soluble</b>	No

### USE RECOMMENDATIONS

<b>NDT Method</b>	Ultrasonic Testing
<b>Required Equipment</b>	UT equipment, transducer
<b>Temperature Range*</b>	40 to 90°F / 4 to 32°C
<b>Compatibility</b>	Most composites and metals

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

**INSTRUCTIONS FOR USE**

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

**REMOVAL**

Remove with water rinse (warm/hot water recommended).

**STORAGE**

Store prepared couplant in an airtight container. Store out of direct sunlight. Keep container closed when not in use. Never put unused couplant back into the storage container. Refer to Safety Data Sheet for additional storage instructions.

**PACKAGING**

4 fl oz / 118 mL tube 54-T04

**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).

DISCONTINUED