

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

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

USE RECOMMENDATIONS

NDT Method	Ultrasonic Testing
Required Equipment	UT equipment, transducer
Temperature Range*	40 to 90°F / 4 to 32°C
Compatibility	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.