Sonoglide UP

Ultrasonic Couplant

Sonoglide® UP is an ultra-pure, very high-performance couplant and is compatible with titanium, aluminum, copper, stainless steel, plastics, many magnesium alloys and most composites. It is the perfect choice for applications where halogens and sulfur must be at a minimum, and broad material compatibility and water-wash removability are desired.

Sonoglide UP couplants are very slow drying for longer inspection time, provide good transducer lubrication and are self-leveling for fast coverage over wide areas. A broad operating temperature range (-60 to 250°F / -51 to 121°C) makes Sonoglide UP a good choice for low and elevated-temperature inspections.

Sonoglide UP comes in two different viscosities, Sonoglide UP 7 which is slightly thicker than water and Sonoglide UP 40 which is a medium-thick gel.

BENEFITS

- Very slow drying for extended inspection time
- Broad temperature range
- Water-washable for easy removal
- Provides good transducer lubrication
- Excellent acoustic properties
- Will not harden on transducers or instruments
- Low potential for skin irritation; will not dye clothing
- Nuclear grade
- Aerospace approvals

SPECIFICATION COMPLIANCE

- API
- ASME
- AWS

APPLICATIONS

Defect location: subsurface

Ideal for:

- Flaw detection
- Flaw sizing
- Thickness gauging
- Turbine blades
- Large surface areas
- Airframes
- Landing gear
- Weld inspections
- Jet engines
- Low temperatures
- Aluminum
- Stainless steel
- Titanium
- Composites
- Plastics
- Fiberglass
- Graphite
- Copper
- Acrylics

PROPERTIES

Appearance	Transparent gel
Color	Colorless
Comparative Viscosity*	Sonoglide UP 7: 1
Sonoglide UP 40: 4.5	No
Silicone	No
Glycerin	No
Propylene Glycol	Yes
Halogens	< 25 ppm
Sulfur	< 25 ppm
Water Soluble	Yes

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

USE RECOMMENDATIONS

NDT Method	Ultrasonic Testing
Required Equipment	UT equipment, transducer
Temperature Range†	-60 to 250°F / -51 to 121°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 or water spray (warm/hot water recommended).

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

Sonoglide UP 7

1 gal / 3.78 L cubitainer	84-901
5 gal / 18.9 L cubitainer	84-905

Sonoglide UP 40

1 gal / 3.78 L cubitainer	87-904

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**.