

Soundclear 60

Ultrasonic Couplant

Soundclear® 60 is a high-value, general-purpose ultrasonic couplant for flaw detection, flaw sizing and thickness gauging applications.

This medium-thick gel couplant contains humectants to improve acoustic performance, reduce product usage and increase inspection time, and offers a good price-to-performance value.

BENEFITS

- Good price-to-performance value
- Safe, non-toxic, non-irritating formula
- Increased acoustic impedance reduces surface noise
- Good surface wetting for fast, even coverage
- Slow drying for extended inspection time
- Provides good transducer lubrication
- Clings well to most vertical and overhead surfaces
- Environmentally-safe
- Nuclear grade
- Medium-thick gel viscosity

SPECIFICATION COMPLIANCE

- API
- ASME
- AWS

APPLICATIONS

Defect location: subsurface

Ideal for:

- Thickness gauging
- Flaw detection
- Fiberglass
- Weld inspection
- Tubular goods
- Machinery and heavy equipment
- Nuclear-grade inspections
- Textured surfaces

USE RECOMMENDATIONS

| | |
|---------------------------------------|---|
| NDT Method | Ultrasonic Testing |
| Required Equipment | UT equipment, transducer |
| Temperature Range [†] | 20 to 200°F / -7 to 93°C |
| Compatibility | Most composites and metals [‡] |

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

[‡] Not recommended on magnesium

PROPERTIES

| | |
|-------------------------------|-----------------|
| Appearance | Transparent gel |
| Color | Colorless |
| Comparative Viscosity* | 6 |
| Silicone | No |
| Glycerin | Yes |
| 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 immediately after inspection before the couplant dries with water rinse or a combination of water rinse and brushing. A film may form if the couplant is allowed to dry before removal. Remove film by pressure washing, wire brushing or immersing the part in water until the couplant rehydrates and can be washed or brushed off.

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

| | |
|---------------------------|--------|
| 1 gal / 3.78 L cubitainer | 31-901 |
| 5 gal / 18.9 L cubitainer | 31-905 |
| 55 gal / 208 L drum | 31-955 |

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.