

Sonoglide FE 20

Ultrasonic Couplant

Sonoglide® FE 20 is a very high-performance couplant specially formulated for ferrous metals where short-term corrosion is a concern. A broad operating temperature range (-60 to 250°F / -51 to 121°C) makes Sonoglide FE 20 a good choice for low and elevated-temperature inspections.

The medium viscosity gel couplant is slow drying for longer inspection time, provides good transducer lubrication and is self-leveling for fast coverage over wide areas. It remains stable on corroded or salt covered surfaces and offers excellent acoustic properties.

BENEFITS

- Very slow drying for extended inspection time
- Water-washable for easy removal
- Provides good transducer lubrication
- Excellent acoustic properties
- Self-leveling for fast, easy coverage over large areas
- Will not harden on transducers or instruments
- Low potential for skin irritation; will not dye clothing
- Very good corrosion inhibition
- Wide operating temperature range
- Nuclear grade

APPLICATIONS

Defect location: subsurface

Ideal for:

- Flaw detection
- Flaw sizing
- Thickness gauging
- Corrosion mapping
- OCTG inspections
- Weld inspection
- Small and large diameter pipe
- Power generation
- Boiler testing
- Pipes, tubular goods, casing and connections
- Low temperatures

SPECIFICATION COMPLIANCE

- API
- ASME
- AWS

PROPERTIES

Appearance	Transparent gel
Color	Colorless
Comparative Viscosity*	4
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

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

1 gal / 3.78 L cubitainer	82-901
55 gal / 208 L drum	82-955

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.