

# **ULTRAGEL II**

## *Ultrasonic Couplant*

---

**Temperature Operating Range**  
-10<sup>0</sup>F to +300<sup>0</sup> F (-23<sup>0</sup>C to +149<sup>0</sup>C)

**Applications**

Ultrigel II is a stable couplant that holds on overhead surfaces and fills depressions on rough surfaces, facilitating its use in flaw detection, thickness gauging, and acoustic emission testing.

**Chlorine, Fluorine and Sulphur Certification**

Chlorine, Fluorine and Sulphur are each less than 50ppm. Independent laboratory analysis of halogens and sulphur is available for individual batches. Details on request.

**Easy Removal**

Ultrigel couplant is water-soluble and is easily removed with a water rinse.

**Non-flammable and Non-irritating**

Provides operator safety and convenience.

**Corrosion Inhibition**

Ultrigel II couplant contains a corrosion inhibitor.

**Outstanding Wetting Characteristics**

Ultrigel II couplant will quickly wet oily and dirty surfaces.

**Does Not Contain Silicones**

**Technical Specifications**

Chlorine .....	< 50ppm
Sulphur .....	< 50ppm
Fluorine .....	< 50ppm

**Typical Values**

Viscosity .....	70, 000 to 100,000cps (Brookfield Helipath, E spindle, 1.5rpm)
	35,000 to 45,000cps (Brookfield LV, #4 spindle, 6rpm)
Velocity * .....	1.60 to 1.70mm/μs
Acoustic Impedance * .....	1.75 to 1.85MRayls
pH .....	7.4 to 7.9

\*at ambient temperature.

Typical values should not be used as specifications. This information is provided for customer convenience only.

**Packaging**

Carton of 12 x 355ml dispensers	20 litres with refillable dispensers
5 litres Cubitainer with refillable dispenser	208 litre drum
10 litres with refillable dispensers	

## **DIAGNOSTIC SONAR LIMITED**

---

*Kirkton Campus*  
**LIVINGSTON EH54 7BX.**

*Tel. 01506 411877*  
*Fax. 01506 412410*