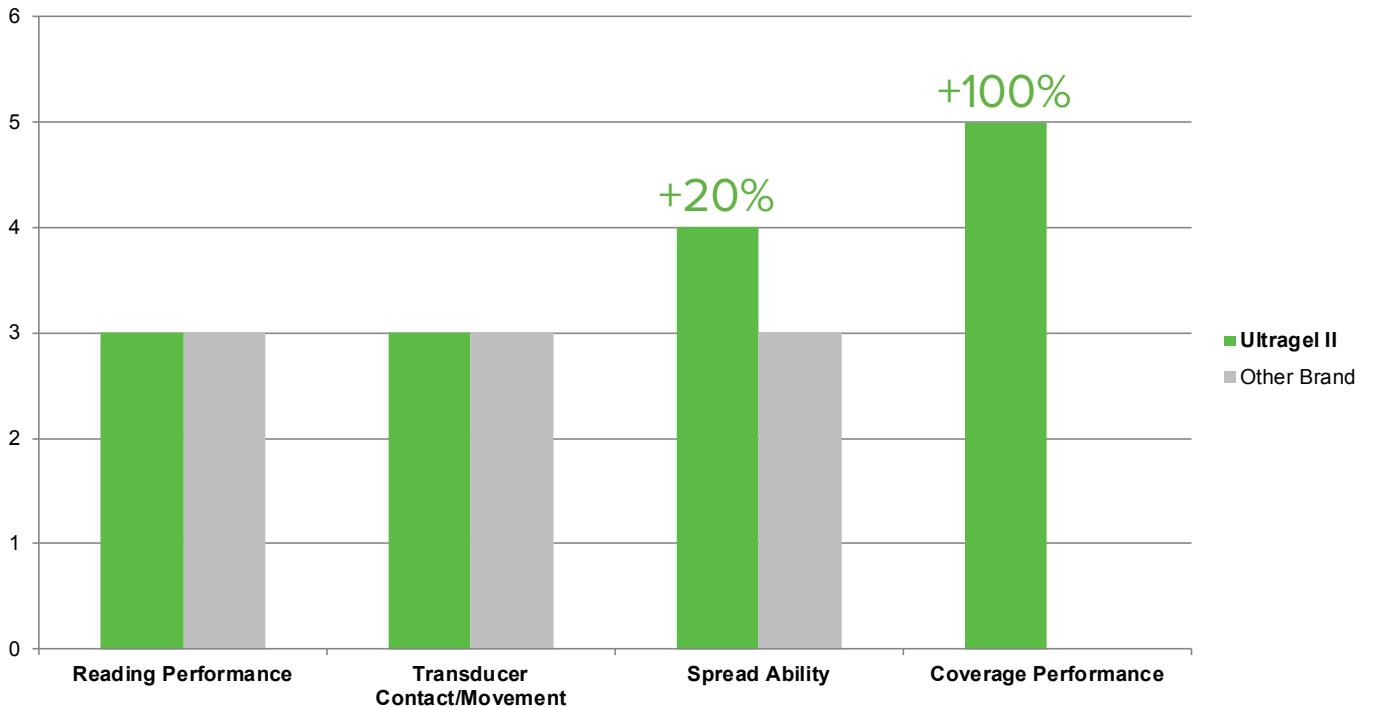


# Ultrigel II Performs 30% Better Overall than Other Brands



**20% better spread ability** so customers end up using less Ultrigel II to get the job done

**100% better at covering rough surfaces** means better inspection quality and reliability

Based on laboratory couplant performance testing



# The Magnaflix Advantage



**MAGNAFLIX**

other brands

Contract Pricing	Yes	Maybe
Product Availability	Immediate	Maybe
Distributor Support	Yes	No
Local Sales Support	Yes	No
Technical Support	Yes	No
Wide Product Portfolio	Yes	No
Global Research & Development	Yes	No
World-Class Quality Assurance	Yes	No
Regulatory Compliance	Yes	No
Corporate Responsibility	Yes	No

# Couplant Feature Comparison Chart

	Industry Standard Series			Environmentally Benign Series		Extended & Extreme Temperature Series			
Product	Ultragel II	Sonotrance Gr 30	Echogel Gr 20	Soundsafe	UT-X Powder	Sono 600 Gel	Sono 1100	Pyrogel Gr 7	Pyrogel Gr 100
Min. Temp <sup>a</sup> °F	-10	25	27	0	32	0	700	-50	-5
Min. Temp <sup>a</sup> °C	-23	-4	-3	-18	0	-18	371	-45	-45
Max. Temp <sup>a</sup> °F	210	175	140	200	120	600	1100	800	800
Max. Temp <sup>a</sup> °C	99	79	60	93	49	315	593	427	427
Corrosion Inhibition <sup>b</sup>	90	80	65	75	10	100	N/A	100	100
Relative Viscosity <sup>c</sup>	4	4	6	4	1 to 7	6	N/A	1	10
Actual Viscosity (Brookfield)	~80,000 cps (Helipath Spindle E @ 1.5 rpm)	~65,000 cps (Helipath Spindle E @ 1.5 rpm)	~75,000 cps (LV #4 @ 6 rpm)	~80,000 cps (Helipath Spindle E @ 1.5 rpm)	Variable by altering water amount	~500,000 cps (LV #5 @ 1.5 rpm)	N/A	~620 cps (LV #2 @ 30 rpm)	>4,000,000 cps (LV #5 @ 0.3 rpm)
Long Velocity (x10 <sup>5</sup> cm/sec)	1.65	1.52	1.55	1.64	1.51	1.50	N/A	1.20	1.20
Impedance (Mrayls)	1.80	1.55	1.60	1.72	1.53	1.37	N/A	1.35	1.35
Acoustic Performance <sup>d</sup>	85	55	50	80	40	70	N/A	55	55
Typical Max Halogens <sup>e</sup>	<50 ppm	<50 ppm	<50 ppm	<50 ppm	<50 ppm	N/A	N/A	N/A	N/A
Typical Max Sulfur <sup>e</sup>	<50 ppm	<50 ppm	<50 ppm	<50 ppm	<50 ppm	N/A	N/A	N/A	N/A
Water Solubility <sup>f</sup>	90	90	80	90	80	20	0	10	10
ASTM F519	✓		✓						
ASTM F945-PWA 36604	✓								
PWA 36700	✓			✓					
BAC 5968	✓	✓							
BAC 5980	✓								
BAC 5439-PSD 622	✓		✓						

<sup>a</sup> For thickness gaging (lower max. for flaw insp.)

<sup>b</sup> Duration of ferrous corrosion inhibition (mild steel & cast iron): 100 = long term protection, 80 = 60 days-steel, 14 days - iron, 60 = 30 days-steel, 7 days - iron, 40 = 7 days - steel, 2 to 8 hours - iron, 20 = 8 hours-steel, 0 to 2 hours - iron, 0 = no inhibition, like plain water.

<sup>c</sup> 10 = thick paste, 5 = slow flowing gel, 0 = water

<sup>d</sup> For thickness gaging (lower max. for flaw inspection)

<sup>e</sup> Typical values only, request current C of A for actual values

<sup>f</sup> 100 = easiest to remove with appropriate solvent, 0 = difficult to remove even with solvent and scrubbing

N/A = Not Available, Information in green indicates best estimates.