



## **ECHOTRACE, ECHOFLUID and ECHOKOR**

Coupling Agents and Corrosion Inhibitor for Ultrasonic Testing

**KARL DEUTSCH**

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## Coupling Agents and Corrosion Inhibitor for Ultrasonic Testing

Via the medium air, ultrasound can only be insonified into a solid test object with a large loss of sensitivity. Therefore, coupling via air is only used in special cases at low frequencies. For sensitive ultrasonic testing in the MHz range, the sound is always insonified into the test object with a liquid (water, oil or gel) as coupling agent.



	<b>ECHOTRACE</b>	<b>ECHOTRACE HT-170</b>	<b>ECHOFLUID</b>
	<ul style="list-style-type: none"><li>▪ Water-based coupling gel</li><li>▪ Drip-proof</li><li>▪ Free of corrosive components</li></ul>	<ul style="list-style-type: none"><li>▪ Coupling agent for hot surfaces</li><li>▪ Viscous liquid with excellent sliding properties</li></ul>	<ul style="list-style-type: none"><li>▪ Coupling liquid with viscosity similar to water or oil</li><li>▪ Free of corrosive components</li></ul>
<b>Approvals</b>	AREVA NP TLV 9017, DIN 25435-1 ASME CODE, Sec. V	-	ASME CODE, Sec. V
<b>Application</b>	Ultrasonic testing with handheld instruments		
<b>Temperature range</b>	0 °C – 80 °C	-40 °C – 170 °C	-20 °C – 80 °C
<b>Suitable for</b>	Ferrous and non-ferrous metals, plastics		
<b>Packaging</b>	100 ml, 0,5 l, 3 l, 5 l, 200 l	100 g	100 ml, 1 l, 10 l, 200 l

The couplant additive ECHOKOR protects the surfaces of bare iron and steel workpieces from corrosion and increases the service life of the probes significantly. At the usual concentration of 1–2.5 Vol. %, the coupling agent remains skin-friendly.

<b>ECHOKOR</b>	
	<ul style="list-style-type: none"><li>▪ Corrosion inhibitor</li><li>▪ Water-miscible, low foaming</li><li>▪ Ideal for immersion applications</li></ul>
<b>Approvals</b>	TRGS 611
<b>Application</b>	Ultrasonic testing systems (immersion technology or water jet coupling)
<b>Packaging</b>	1 l, 5 l, 200 l



Under this QR code (scan or click), you will find the following on our website for all our chemical products:

- **Technical Information Sheets**
- **Safety Data Sheets**



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