



ArmaSound® **INDUSTRIAL SYSTEMS**

Acoustic pipe insulation systems which minimise corrosion under insulation

- ▶ Combined Thermal and Acoustic Properties
- ▶ The “Built-In Water-Vapour-Barrier” Provides Continuous Long-Term Thermal Efficiency
- ▶ Prevents Condensation by Using Closed Cell Technology



ARMASOUND INDUSTRIAL SYSTEMS:

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ArmaSound Industrial Systems are high performance acoustic and thermal insulation systems for industrial, marine and offshore environments. The sandwich system of Armaflex, ArmaSound RD 240 and Arma-Chek R covering provides exceptional noise reduction while minimising total system weight and reducing the risk of corrosion under insulation (CUI).

Compliant to ISO 15665 Classes A to C and Shell DEP 31 Class D. Other standards met include NORSOK R-004 Classes 6, 7 and 8 and ASTM E 1222.

- ▶ Combined thermal and acoustic properties
- ▶ The “built-in water-vapour-barrier” provides continuous long-term thermal efficiency
- ▶ Significantly reduced insulation thickness and overall system weight
- ▶ Prevents condensation by using closed cell technology
- ▶ No galvanic corrosion
- ▶ Non-metal cladding system - reduces Health and Safety risks
- ▶ Resists UV, oil, chemicals and weatherisation
- ▶ Considerable reduction in maintenance costs



Insertion loss of ArmaSound Industrial Systems acc. to ISO 15665:2003 <small>nom. pipe-Ø: ≥ 300mm to < 650mm</small>								
ArmaSound Industrial System	Class	Octave band centre frequency, Hz						
		125	250	500	1 000	2 000	4 000	8 000
		Insertion loss, dB						
ArmaSound Industrial System A (EL)	A2	1.4	-3.7	3.9	12.8	18.9	28.6	38.9
ArmaSound Industrial System B (EL)	B2	0.9	0.8	9.2	17.2	28.6	38.2	42.0
ArmaSound Industrial System C (EL)	C2	-1.2	11.8	16.3	24.3	36.0	49.8	47.6
ArmaSound Industrial System D (EL)	D2	-3.3	5.1	15.6	37.2	48.8	49.7	45.6

Layer-setup of ArmaSound Industrial Systems acc. to ISO 15665:2003								
ArmaSound Industrial	System A (EL)		System B (EL)		System C (EL)		System D (EL)	
Layer 1	Armaflex	25mm	Armaflex	13mm	Armaflex	25mm	Armaflex	25mm
Layer 2	Arma-Chek R	2 mm	ArmaSound RD 240	25mm	ArmaSound RD 240	25mm	ArmaSound RD 240	25mm
Layer 3			Arma-Chek R	2 mm	ArmaSound Barrier E	3 mm	ArmaSound RD 240	25mm
Layer 4					ArmaSound Barrier E	2 mm	ArmaSound Barrier E	4 mm
Layer 5					Arma-Chek R	2 mm	Armaflex	25mm
Layer 6							Arma-Chek R	2 mm

PRICES ON REQUEST

For more information and assistance on understanding ISO 15665, including a full calculation tool, see www.armacell.com/uk or call our Technical Department. Tel. +44 (0)161 287 7100 • Fax +44 (0)161 633 2685

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