

ArmaSound®

Industrial Systems Cold

THE FIRST SOUND CONTROL SYSTEMS
TO MINIMISE THE RISK OF CORROSION
UNDER INSULATION (CUI)



- Combined thermal and acoustic properties
- The "Built-in-vapour-barrier" provides continuous long-term thermal efficiency
- Significantly reduced insulation thickness and overall system weight
- Prevents condensation by using closed cell technology

- Operating temperature: -200 °C to +50 °C
- Compliant to ISO 15665 Classes A to C and Shell DEP 31.46.00.31-Gen Class D. Other standards include NORSOK R-004 Classes 6, 7 and 8 and ASTM E 1222
- Resists UV, oil, chemicals and weathering

Technical data - ArmaSound Industrial Systems Cold

Description	ArmaSound Industrial Systems - Cold are high performance acoustic and thermal insulation solutions for industrial, petrochemical and offshore facilities. The multi-layer systems (comprising of HT/Armaflex Industrial, Armaflex LTD, ArmaSound RD 240, ArmaSound Barrier E and Arma-Chek R or Arma-Chek R CSPE coverings or UV-cured GRP cladding) reduce the risk of corrosion under insulation (CUI) and provide exceptional noise reduction while minimising total system weight and thickness.
Material Type	See product data sheets of individual components.
Colour	Colour of the covering / cladding: Grey
Applications	Pipes, ducts and vessels in industrial, petrochemical and offshore facilities.
Special Features	Compliant to ISO 15665 Classes A to C and Shell DEP 31.46.00.31-Gen Class D. Other standards include Norsok R-004 Classes 6, 7 and 8 and ASTM E 1222.
Assembly	The ArmaSound Industrial Systems Application manual should be consulted before assembly. Please consult our Customer Service Centre.
Remarks	For detailed information on these specific systems please refer to our Customer Service Centre.

Property	Value/ Assessment	Special remarks
Temperature Range		
Temperature Range ¹	max. service temperature + 50 °C	(For temperatures above +50 °C, please refer to ArmaSound Industrial Systems - Hot)
	min. service temperature - 200 °C	(in combination with Armaflex LTD)
Thermal Conductivity		
Thermal Conductivity	System thermal performance depends on properties and configuration of individual layers Refer to individual product data sheets	
Water Vapour Diffusion Resistance		
Water Vapour Diffusion Resistance	System integrity depends on properties and configuration of individual layers Refer to individual product data sheets	
Other technical features		
Biological / chemical behaviour	Good	Resists oil and chemicals.
UV Resistance	Good	Resists UV and weathering
Health Aspects	Dust free and fibre free	

1. For temperature below -50 °C, please contact our Technical Department for the corresponding technical information.

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended by the recipient.

	Class	125	250	500	1000	2000	4000	8000	[Hz]
Insertion loss									
ArmaSound IS A (EL)	A2	1.4	-3.7	3.9	12.8	18.9	28.6	38.9	dB(A)
ArmaSound IS B (EL)	B2	0.9	0.8	9.2	17.2	28.6	38.2	42.0	dB(A)
ArmaSound IS C (EL)	C2	-1.2	11.8	16.3	24.3	36.0	49.8	47.6	dB(A)
ArmaSound IS D (EL)	D2	-3.3	5.1	15.6	37.2	48.4	49.7	45.6	dB(A)

Prices and description of systems on request

For more information and assistance, please refer to www.armacell.com.

