

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, petrochemi facilities. The multi-layer systems (comprising of HT/Armaflex Industrial, Armaflex LTD, ArmaSound RD 240, ArmaSound Barrie or Arma-Chek R CSPE coverings or UV-cured GRP cladding) reduce the risk of corrosion under insulation (CUI) and provide e reduction while minimising total system weight and thickness.	er E and Arma-Chek R
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 Se	rvice Centre.
Remarks	For detailed information on these specific systems please refer to our Customer Service Centre.	
Property	Value/ Assessment	Special remarks

Property	Value/ Assessment					
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	System thermal perfomance depends on properties and configuration of individual layers					
Conductivity	Refer to individual product data sheets					
Water Vapour Diffusion	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.

Notes	

Armacell (Thailand) Limited 88 Mu 4, Donkrabueng • 70110 Banpong • Ratchaburi 70110 • Thailand Phone +66 (0) 32 353 205-7 • Fax +66 (0) 32 353 208 www.armacell.com • info.thailand@armacell.com

Notes

Singapore Branch391B Orchard Road • #23-01 Ngee Ann City • Tower B • Singapore Phone +65 9720 3409 • Fax +65 6832 8018

 $www.armacell.com \bullet info.singapore@armacell.com$

266/22 Street TA28 Ward Thoi An, District 12 • Ho Chi Minh City • Vietnam Phone +84-8-6674 1098 • Fax +84-8-6250 7339

www.armacell.com • info.vietnam@armacell.com

Menara Karya, 28th Floor Jl. H.R. Rasuna Said Block X-5 Kav. • 12950 1-2 Jakarta •

Phone +62 21 5789 5568 • Fax +62 21 5789 5888 $www.armacell.com \bullet info.indonesia@armacell.com$

Armacell Asia Limited (Philippines Representative Office) 5/F Builder's Center • 170 Salcedo St. • Legaspi Village • Makati City 1229 •

Philippines Phone +63 2902 0956 • Fax +63 2902 0949 www.armacell.com • info.phillipines@armacell.com

