

ArmaSound® RD₂₄₀

HIGH PERFORMANCE SOUND
ABSORPTION FOR A QUIETER
ENVIRONMENT



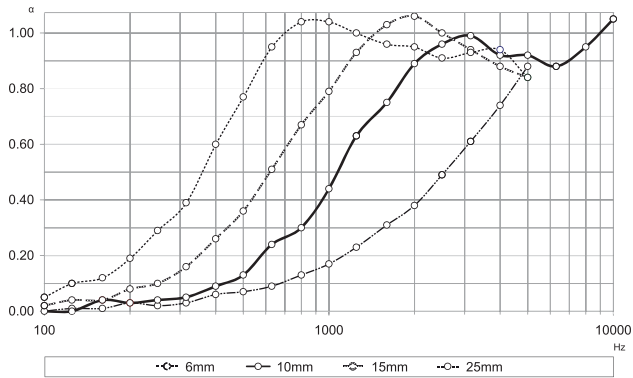
- Optimal performance at lower thickness
- Excellent sound absorption behaviour
- Easy application and low maintenance
- Designed for use in demanding environments

- Compliant to ISO 15665 Classes A to C and Shell DEP 31.46.00.31-Gen Class D
- Meets NORSOK R-004 Classes 6, 7 and 8
- Highly hydrophobic, open-cell structure designed to resist water ingress
- Optimum density, air-flow resistivity and complex pore geometry for maximum acoustic benefit

Technical data - ArmaSound RD240

Description	Highly-flexible, hydrophobic, open-cell acoustic insulation material with complex pore geometry.						
Material Type	Elastomeric foam based on synthetic rubber.						
Colour	Black						
Applications	Acoustic insulation material with high sound absorption performance for use in a variety of different applications, e.g. fan-coil units, duct linings, cabinet linings, chiller systems, enclosures, pipelines.						
Assembly	The ArmaSound Industrial Systems Application manual should be consulted before assembly. Please consult our Customer Service Centre.						
Property	Value/ Assessment						Special remarks
Temperature Range							
Temperature Range	max. service temperature		+85 °C				
	min. service temperature		-20 °C				
Thermal Conductivity							
Thermal Conductivity	ϑ_m		0		[°C]		Tested acc. to EN ISO 12667
	λ		≤ 0.062		W/m.K		
Fire Performance							
Reaction to fire							Tested acc. to EN ISO 11925-2, BS 476 Part 7,
Other Fire Class	BS 476 Part 7		Class 1		BS 476 Class 1 Approved by Lloyds		
	ASTM E84		< 25 Flame Spread Index				
Practical Fire Behaviour	Self-extinguishing, does not drip, does not spread flames						
Acoustic Performance							
Sound Absorption Coefficient							Tested acc. to EN ISO 20354
Weighted Sound Absorption Coefficient α_w							Calculated acc. to EN ISO 11654
	Practical sound absorption coefficient α_p / frequency [Hz] (typical values)						Tested according to EN ISO 354 Rated according to EN ISO 11654
	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
	6 mm	0.010	0.030	0.070	0.180	0.390	0.740
	10 mm	0.010	0.040	0.150	0.460	0.870	0.940
	15 mm	0.030	0.110	0.380	0.800	1.030	0.890
	25 mm	0.090	0.280	0.770	1.030	0.940	0.900
	Thickness	6 mm	10 mm	15 mm	25 mm		
	α_w	0.15 (H)	0.25 (H)	0.40 (MH)	0.60 (MH)		
	Class	E	E	D	C		
	NRC	0.150	0.400	0.600	0.750		
	(acc. to ASTM C 423)						
Other technical features							
Density	240 kg/m ³ (-20 / +120 kg/m ³)						Tested according to ISO 845
Health Aspects	Fibre dust free						
Acoustic Insertion Loss	When used as part of a system ArmaSound RD 240 complies to ISO 15665 Classes A to C and Shell DEP 31.46.00.31-Gen Class D						Internal tests in acc. to AGI Q 136

Typical Sound Absorption Behaviour of ArmaSound RD 240 (ISO 354)



Typical Sound Absorption Behaviour of ArmaSound RD 240 (ISO 354)

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. Adhesive 820T or Armaflex® 520 Adhesive or Armaflex® HT 625 Adhesive must be used to guarantee proper installation

ArmaSound RD240 sheets



Length 1.0 m, Width 1.0 m, Color black

Code	Thickness [mm]	Width [m]	Length [m]	m ² /carton
ASD-240-06	6	1,0	1,0	8
ASD-240-10	10	1,0	1,0	5
ASD-240-15	15	1,0	1,0	3
ASD-240-20	20	1,0	1,0	2
ASD-240-25	25	1,0	1,0	2
ASD-240-50 ●	50	1,0	1,0	1

Remarks

Item code ASD-240-06 has 8 pcs/carton.
Item code ASD-240-10 has 5 pcs/carton.
Item code ASD-240-15 has 3 pcs/carton.
Item code ASD-240-20 has 2 pcs/carton.
Item code ASD-240-25 has 2 pcs/carton.
The above items are packed in cartons.
Further dimensions and insulation thickness on request.

- Stock is not available. Delivery is on request.

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