

ArmaSound[®] RD

The high performance sound absorption for a quieter environment





ARMASOUND RD: The high performance sound absorption for a quieter environment

ArmaSound RD is a versatile acoustic absorber designed for use in a variety of different acoustic applications. A high performance sound absorber which also offers additional barrier (transmission loss) performance and both vibration damping and de-coupling (isolation) properties.

Delivering optimal performance at lower thicknesses than traditional materials, ArmaSound RD is a uniquely advanced open cell acoustic insulation material. Depending on the thickness chosen, ArmaSound RD240 offers excellent sound absorption behaviour across the frequency range.

With a density much greater than traditional acoustic absorption materials, ArmaSound RD is also suitable for some applications that may also call for an acoustic airborne noise barrier.

ArmaSound RD provides a dust and fibre free solution that is suitable for use in a range of demanding environments.

The acoustic properties of ArmaSound RD vary depending on formulation, density and thickness. The best results will be achieved by selecting the most appropriate product grade for the type of noise in question.



Sound Absorption

- ▶ Open cell structure with complex pore geometry allows for effective absorption of air-borne sound across a broad frequency range
- ▶ Unique combination of physical properties allows absorption to be maximised at key “nuisance” frequencies



Sound Barrier (Transmission Loss)

- ▶ Relatively high density and high flow resistance offers an effective barrier to sound
- ▶ May be suitable for use as an alternative to complex ‘foam-barrier’ multi-layers



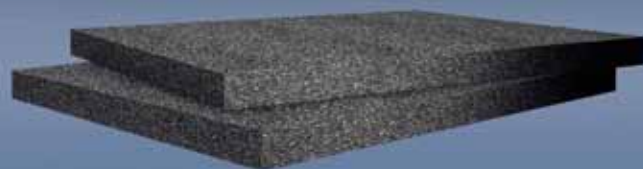
Vibration Damping and DeCoupling (Isolation)

- ▶ Visco-elastic properties help dampen or deaden resonance effects in metal panelwork (e.g. enclosures or ducting) which helps to reduce associated ‘re-radiation’ effects
- ▶ Reduces structure-borne noise transmission in flooring when used as isolation pads

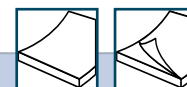
Technical Product Data			
	Values	Remarks	
Max. Surface Temperature	+105° C	For temperatures below -20° C and above +105° C, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685	
Max. Temperature for Flat Surface	+85° C		
Min. Surface Temperature	-20° C		
Fire Performance	in accordance with UL94 V0 in accordance with FMVSS 302 Pass		
Density	240 kg/m ³ , 120 kg/m ³		
Tensile Strength	190 kPa		
Elongation	54%		
Resistance to Chemicals	Organic solvents Very Good Dilute inorganic acids & bases Very Good Mineral oils Very Good	For more comprehensive list please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685	
Health Aspects	Dust & Fibre Free		

Armaflex Adhesive 520 is recommended.

For the acoustic performance of Armacell’s Acoustic product Range please visit www.QuietEnvironment.co.uk



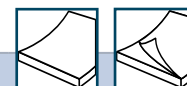
ARMASOUND RD 240 Sheets & Self-Adhesive Sheets



Color: black; open cell

Thickness mm	Length m	Width m	Sheets			Sheets with self-adhesive backing		
			Reference	Sheets / carton		Reference	Sheets / carton	
6	1	1	ASD-240-06	8		ASD-240-06/A	8	
10	1	1	ASD-240-10	5		ASD-240-10/A	5	
15	1	1	ASD-240-15	3		ASD-240-15/A	3	
20	1	1	ASD-240-20	2		ASD-240-20/A	2	
25	1	1	ASD-240-25	2		ASD-240-25/A	2	
50	1	1	ASD-240-50	1		ASD-240-50/A	1	

ARMASOUND RD 120 Sheets & Self-Adhesive Sheets



Color: black; open cell

Thickness mm	Length m	Width m	Sheets			Sheets with self-adhesive backing		
			Reference	Sheets / carton		Reference	Sheets / carton	
6	1	1	ASD-120-06	8		ASD-120-06/A	8	
10	1	1	ASD-120-10	5		ASD-120-10/A	5	
15	1	1	ASD-120-15	3		ASD-120-15/A	3	
20	1	1	ASD-120-20	2		ASD-120-20/A	2	
25	1	1	ASD-120-25	2		ASD-120-25/A	2	
50	1	1	ASD-120-50	1		ASD-120-50/A	1	

ARMAFLEX Adhesive 520



Armaflex 520 adhesive has been specially formulated for Armaflex insulation to guarantee uniform, safe seam bonding and to produce butt joints with the given object.

Reference	Description	Carton content cans	
ADH520/2,5	Armaflex adhesive 520, 2.5 litre	8	
ADH520/1,0	Armaflex adhesive 520, 1.0 litre	12	
ADH520/0,5	Armaflex adhesive 520, 0.5 litre	12	
ADH520/0,25	Armaflex adhesive 520, 0.25 litre	24	

- For self-adhesive sheets: delivery quoted on request