

Arma Flex[®] Alu

Cleaner, Quieter duct insulation with high mechanical resistance



Smooth surface - less dirt
Durable and erosion-resistant
Easy to apply



Abad Insulation Pvt. Ltd.

Arma Flex® Alu

The competitive advantages of specifying Armaflex Alu

- Lightweight and flexible insulation for easy and speedy installation
- Wide range of sheet thicknesses available
- Excellent finish with aluminium covering for clean room applications
- The low thermal conductivity, 0.035 W/(m.k) at 0°C, and good acoustic performance provide double benefits with one insulation system
- Closed cell structure provides a very efficient built-in vapour barrier with a very high value of 12000 DIN EN 12 086
- Class O fire category means low fire propagation index, producing minimal contribution to overall heat release, for a high degree of fire protection and safety
- Excellent resistant to the effects of ozone, oil and chemicals
- Does not decay or contribute to the growth of fungus and bacteria
- Easily cleaned with no shedding of particles
- Requires minimal maintenance and assures long term life of installation
- Dust, fibre, CFC and HCFC free with and ODP of zero

Technical Data



	Values	Remarks
Material	Foamed nitrile rubber	With Re-inforced Aluminium Foil
Temperature Range	Max. Surface Temperature + 105°C Max. Temperature for Flat Surface + 85°C Min. Surface Temperature - 40°C*	*Please consult our Technical Department for low temperatures down to -200°C
Thermal Conductivity at 0°C	0.035 W/m K	Testing according to DIN EN 12 667
Thermal Conductivity at +20°C	0.037 W/m K	
Thermal Conductivity at +40°C	0.039 W/m K	
Water Vapour Permeability	Moisture Resistance Factor $\mu > 12,000$ 1.52×10^{-14} kg/(m.s.Pa) 5.47×10^{-11} kg/(m.hr.Pa)	Testing according to DIN EN 12 086
Water Absorption	0.9% average by volume after 28 days 1.5% maximum by volume after 28 days	Testing according to ASTM D 1056
Fire Propagation	Total Index Performance (I) ≤ 12 Sub Index (I _s) ≤ 6	Surface Spread of Flame acc. BS 476 Part 7: 1997 Fire Propagation acc. BS 476 Part 6: 1989
Fire Performance	CLASS 0	As per building regulations (England & Wales) for Class O fire category
Reaction to fire	Self-extinguishing, does not drip	
Resistance to	Building Materials Very Good Ozone Very Good	Testing according to DIN 53 509
Health Aspects	Dust & Fibre Free	

For Outdoor applications contact our Technical Department.



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