

Aflex-ECO™



CLOSED CELL ELASTOMERIC NITRILE INSULATION FOAM

ADVANTAGES

- Completely closed cell elastomeric nitrile insulation
- Quick & easy to install with no special tools
- Flexible, durable & easy to handle
- Excellent compression strength due to closed cell structure
- Superior thermal insulation properties over other open or semi-closed cell insulation material
- Very high moisture diffusion resistance & no cladding is required if installed inside
- Class 1 fire rating as per BS 476 part 7

CERTIFICATIONS



PRODUCT DESCRIPTION

Aflex-ECO is a closed cell flexible elastomeric foam made from Nitrile rubber. This material has low thermal conductivity and high water vapour diffusion resistance. It is CFC/ HCFC free, dust and fiber free. It ensures energy saving in eco-friendly manner. This product meets insulation requirement in diverse fields.

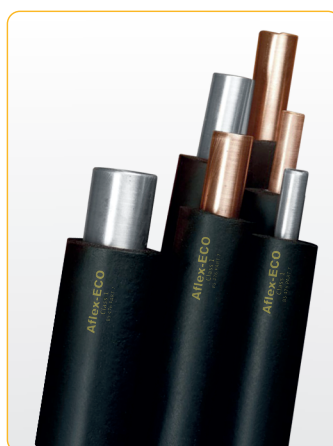
Applications	Insulation to prevent condensation, reduce energy losses on HVAC ducts/ pipes, used in Airport, Hospitals, Factories, Offices, Malls, Duct, Chiller System.
Assembly	Aflex-Eco can be used together with Aerostick adhesives as a complete insulation system.
Product Range	Sheets : Available in rolls of 6mm, 9mm, 13mm, 16mm, 19mm, 25mm and 32mm thicknesses with 1200mm width Tubes : 6mm, 9mm, 13mm, 19mm, 25mm & 32mm wall thickness to fit all standard copper and iron pipes diameters from 6mm (½") to 108mm (3¼") in length 1.83mtr (6ft)

TECHNICAL DETAILS

PROPERTIES	VALUES	TEST METHOD
Temperature Range	-40 ° C to 105 ° C	
Density (Kg/m ³)	40 to 60	ASTM-D-1056
Thermal conductivity W/m.K	≤0.035 W/m ° K at 10 ° C; ≤0.036 W/m ° K at 20 ° C ≤0.037 W/m ° K at 30 ° C; ≤0.038 W/m ° K at 40 ° C	ASTM-C-518
Water Vapour diffusion resistance Index	≥7000	ASTM E 96
Ecological Data	No HCFC - CFC, No Formaldehyde	
Cell Structure	Closed Cell	
Ozone Resistance	Very Good	
Reaction to Fire		
a) Fire performance acc. to building regulation	Class 1	Bs476 Part 7
d) Rate of burning (Vertical Position)	Class V-0	UL 94
e) Practical fire behaviour	Self-Extinguishing, does not drip and does not spread flames	ASTM D 635

Storage condition : Store in Clean & Dry Rooms (Covered) Away from Direct Sunlight & Water.

SIZE	THICKNESS	WIDTH
For Thickness 6mm To 19mm	± 1 mm	For 1200mm: ± 30 mm
For Thickness Above 19mm To 32mm	± 2 mm	For 1200mm: ± 30 mm



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Disclaimer: Although these values represent actual results achieved in tests, they should only be used as a guide. ALP Aeroflex cannot guarantee the performance of the product as all situations are different & should be treated separately. All statements & Technical informations are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the informations are appropriate for specific use intended by the recipient.