



# ALP 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 and protection against mechanical damage 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.
Size Availability	<p>a) 6mm, 9mm, 13mm, 19mm, 25mm &amp; 32mm wall thickness to fit all standard copper and iron pipes diameters from 6mm (½") to 108mm (3¼").</p> <p>b) Other size available on request</p> <p>c) Tube length: 1.83 meters (6ft).</p> <p>d) Available in special sizes &amp; long coils on request</p>

## TECHNICAL DETAILS

PROPERTIES	VALUES	TEST METHOD
Temperature Range	-40 °C to 105 °C	
Density (Kg/m <sup>3</sup> )	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 asbestos, No HCFC - CFC, No Formaldehyde - Cd-Hg etc.	
Cell Structure	Closed Cell	
Ozone Resistance	Very Good	
Odour	Negligible	
<b>Reaction to Fire</b>		
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
Indoor air quality (VOCs)	Green guard gold certified	UL 2818



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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.