



# EUROBATEX

Type of Material:	P.V.C/nitrile flexible elastomeric foam based thermal insulation, which is CFC free, HCFC free, O.D.P. zero and has a zero global warming potential.		
Fields of application:	Refrigeration, chilled and cold water services for condensation control. Heating and direct hot water for energy conservation. Air-conditioning and dual temperature ductwork. Suitable for commercial, institutional and domestic applications.		
Product range:	TUBE thickness: 6, 9,13,19,25, 32mm – Ø from 6 to 160 mm SHEET thickness: 6, 9,13,19,25, 32, 40, 50mm		
PHYSICAL PROPERTY	RESULT OBTAINED	TEST METHOD	CERTIFICATION OR SUPERVISION BODY
<b>Operating temperature range</b>	-45°C to + 105°C	UNI ISO188/98	Factory test
<b>Thermal conductivity λ</b> at mean temperature indicated 0°C 40°C	0.034W/m-K 0.038W/m-K	DIN 52613 DIN 52612 EN ISO8497	F.I.W. Munich *
<b>Moisture properties</b> Water vapour diffusion factor μ Water vapour permeability Water absorption	≥ 7000 0.07 μgm/Nh 1.5% max by volume after 28 days	EN 13469/ DIN 52615 BS4370: Part 2: 1973 ASTM D1056	F.I.W. Munich F.I.W. Munich** Factory test
<b>Fire performance</b> <i>European standard</i>	B <sub>L</sub> - S <sub>2</sub> -d <sub>0</sub> B- S <sub>3</sub> -d <sub>0</sub>	EN 13501 -1 :2007	CSI Italy – LNE France
<b>Italy</b>	Classe 1	UN 9174-UN18457	Ministry of the Internal Approval for every single thickness.
<b>UK:</b> Fire propagation Surface spread of flame Building Regulations	I ≤ 12.0    i < 6.0 Class 1 Class 0	BS476: Part 6: 1989 BS476: Part 7: 1997 BS476 Parts 6 and 7	Warrington Fire global safety The two results as indicated above meet Class O requirements for UK and ROI
<b>Germany</b>	B- S <sub>3</sub> -d <sub>0</sub> B <sub>L</sub> - S <sub>3</sub> -d <sub>0</sub>		Dibt – Berlin : Zulassung Nr. Z-56.269-3537 and Z-56.269-3535
<b>France</b>	<b>NF</b> B <sub>L</sub> - S <sub>2</sub> - d <sub>0</sub> B- S <sub>3</sub> -d <sub>0</sub>	AFNOR NF 487	LNE France *
<b>Sweden</b>	Klass II	NT FO36	SP Boras-Sitac *
<b>USA, Canada</b>	Flame class V-0 5VA	UL 94 UL 746 A - UL 746 C	Underwriters Laboratories Inc – USA *
<b>Ozone resistance</b> <b>U.V. Resistance</b>	Excellent Good	ISO 7326/91 UNI ISO 4892-2/94	Cerisie, Milan Cerisie, Milan
<b>Chemical resistance</b>	Good	Exposure to oil, greases, building materials, dilute acids or alkalis	Factory tests (details available on request)
<b>Corrosion risk</b>	Meets the test requirements	EN13468/2001 DIN 1988/88 Part 7	Cerisie, Milan

\* The declared values are supervised by Third-Party Body

\*\* Averages of tests results obtained by constant internal tests and by Third Party Body

CE Mark certificate according to EN 14304 FEF standard issued by GSH D-29227 Celle

Union Foam's products have achieved the  Quality mark for.FEF (flexible elastomeric foam) , Deutsches Institut für Gütesicherung und Kennzeichnung e.V., is a German Institute of Quality certification and supervision.



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