



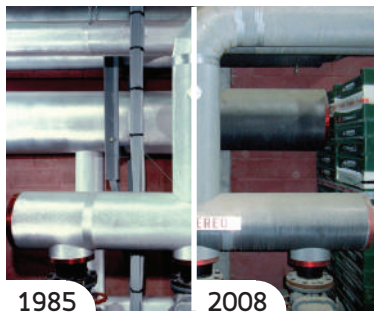
Trocellen AirPro

State-of-the-art Technology

Trocellen AirPro polyethylene foam comes laminated with a highly reflective reinforced aluminium foil specially designed to meet global air-conditioning duct insulation standards. It's flexibility allows the foam to be bent around the corners of air-conditioning ducts with ease, further reducing installation time and cost. Trocellen AirPro helps regulate the temperature inside and outside the air-conditioning duct with minimal thermal conductivity to prevent heat gain or heat loss. This minimizes energy loss, reduces energy consumption and ultimately enhances energy efficiency.

Trocellen AirPro-Plus

For added convenience, our optional Trocellen AirPro-Plus line of foam comes with our in-house factory coated industrial strength adhesive. Unlike conventional tissue interlayer glue in the market, which may be easily detachable in the presence of water moisture, our adhesive is both waterproof and long lasting. Perfect for projects that require minimal installation time and costs.



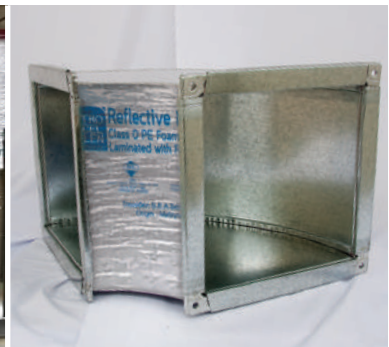
Unrivalled reliability

One of Trocellen's project, Vintage S.p.A, Italy, in 1985 was revisited after operation 23 years later in 2008. Thermal conductivity performance value of our foam remained constant despite all those years. This itself is a solid testimony to the quality of our product

PROPERTY	UNIT	1985	2008
THERMAL CONDUCTIVITY	W/mK	0.0394	0.0394

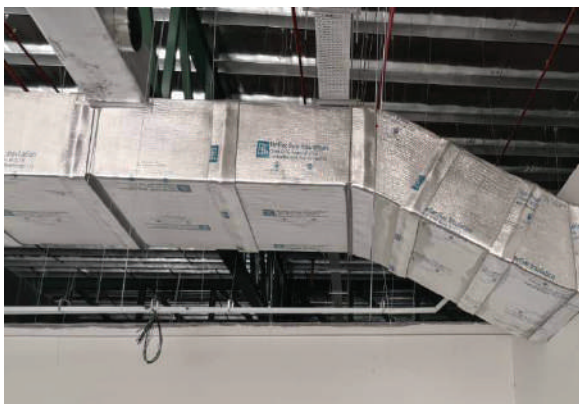
THICKNESS	LENGTH
6 mm	72 M
9 mm	47 M
12 mm	35 M
15 mm	28 M
20 mm	20 M
25 mm	18 M

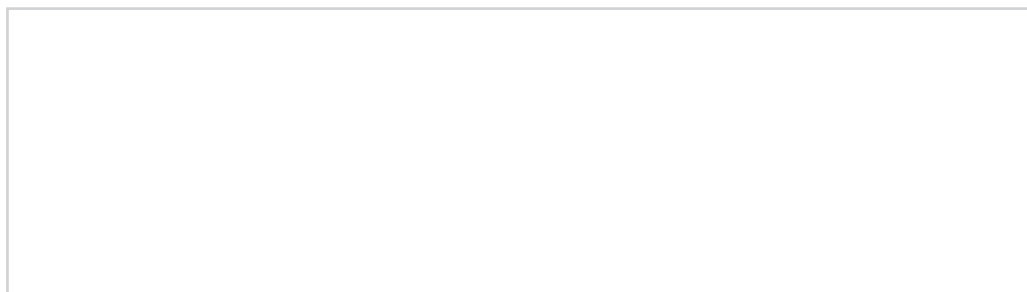
Other thicknesses and dimensions available upon request. Standard width is 1.2m



Installation process

Our flexible AirPro foam allows for an effortless installation process. Just bend it around the duct and let the built-in glue do the work. Scan the QR code on the right to witness the convenience of installing our AirPro insulation polyethylene foam.





TECHNICAL DATA		TEST STANDARD	UNIT	TROCELLEN AirPro
BARE FOAM				
DENSITY		ISO 845	Kg/m ³	25
TENSILE STRENGTH	Longitudinal Transversal	ISO 1798	Mpa Mpa	0.20 0.16
ELONGATION AT BREAK	Longitudinal Transversal	ISO 1798	% %	140 160
COMPRESSION STRESS STRAIN AT DEFLECTION	10% 25% 50%	ISO 3386	KPa KPa KPa	6 24 69
COMPRESSION SET (22h 25% 23°C) AFTER COMPRESSION RELEASE	24hr	ISO 1856	%	< 9
WATER ABSORPTION		JIS K 6767 METHOD B	g/cm ²	0.0001
FOAM LAMINATED WITH REFLECTIVE FOIL				
TEAR STRENGTH	Longitudinal Transversal	DIN 53507	N/mm N/mm	0.9 0.9
OPERATING TEMPERATURE RANGE		-	°C	-40 to 95
DIMENSIONAL STABILITY		DIN 53431	°C	95
EMISSIVITY OF FOIL FACE		ASTM C 1371	-	≤ 0.05
THERMAL CONDUCTIVITY	0°C 23°C 40°C	JIS A 1412-2	W/mK	0.035 0.036 0.038
NOISE REDUCTION COEFFICIENT		ASTM C 423	-	0.3
OZONE DEPLETING SUBSTANCES (NAMELY CFCs, HCFCs, HBFCs)		US EPA 5021A (MDL 1PPM)	-	NOT DETECTED
GREEN STAR SPECIFICATION - TOTAL VOC EMISSION RATE		ASTM D 5116	-	LOW VOC EMITTING (< 0.5 mg/m ² /hr)
VOLATILE ORGANIC COMPOUNDS (VOCs)		US EPA 5021A (MDL 1PPM)	-	NOT DETECTED
RESISTANCE TO FUNGI		ASTM G 21	-	ZERO GROWTH
FIRE BEHAVIOUR				
FIRE RATING		BS 476 PART 6 & 7	-	CLASS 0
BURNING TEST		UL 94	-	HF-1
BURNING TEST - FLAME SPREAD AND SMOKE DEVELOPED INDEX		ASTM E 84	-	CLASS A
IGNITABILITY INDEX		AS/NZS 1530.3	-	0
SPREAD OF FLAME INDEX				0
HEAT EVOLVED INDEX				0
SMOKE DEVELOPED INDEX				1
MAXIMUM SPECIFIC OPTICAL SMOKE DENSITY		ISO 5659-2	-	Ds (MAX) < 50
GLUE PERFORMANCE for AirPro-Plus				
ADHESIVE STRENGTH (PET FILM)	90° PEELING TEST 180° PEELING TEST	JIS Z 0237	N/10mm	> 5 > 10

The data and information represented above are intended as general guide only and are not construed as specification limits.

All the above information is given in good faith and in accordance with our knowledge and experience. Any written and illustrated application instructions are without legal obligation and do not relieve you from testing and confirming the goods with regard to their suitability for the intended application, use or conversion. The high quality of our products is guaranteed according to our general sales condition.