

FLEXICELL

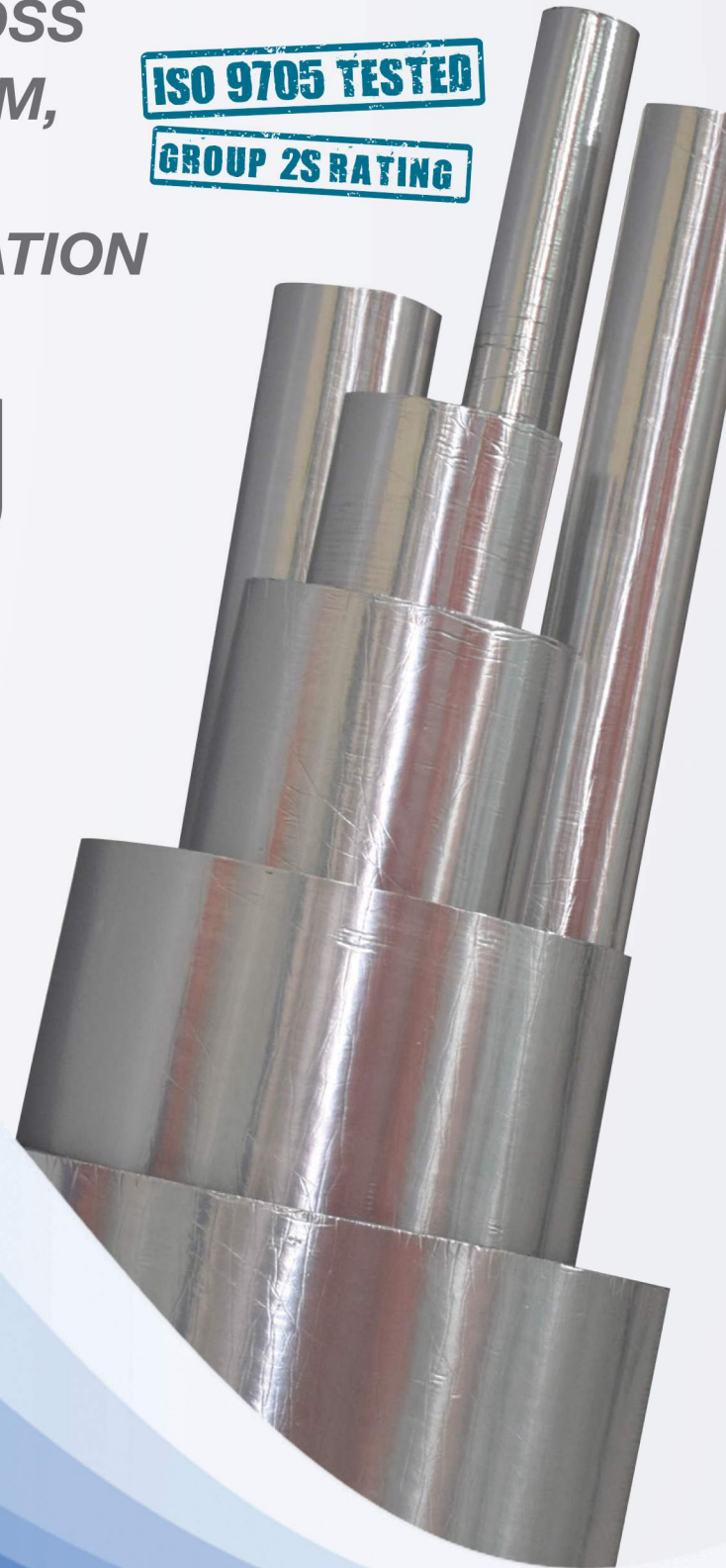
XLPE INSULATION

CE

***FLEXIBLE CLOSED CELL CROSS
LINKED POLYETHYLENE FOAM,
SUITABLE FOR THERMAL
INSULATION AND CONDENSATION
CONTROL.***

ISO 9705 TESTED

GROUP 2S RATING





Available in sheets and rolls

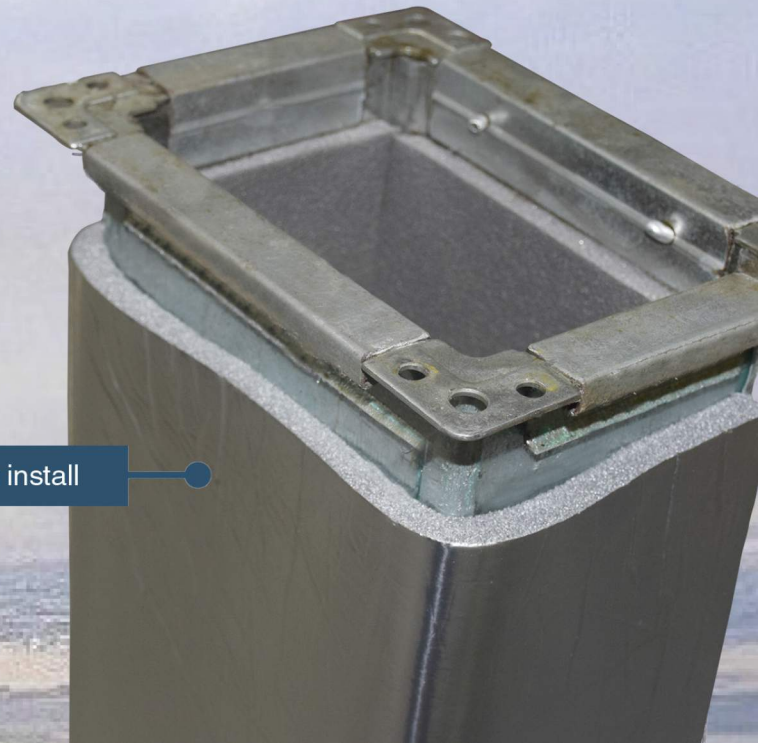
Easy to apply self adhesive rolls and sheets

Very low thermal conductivity

Sizes suitable for copper, steel and PVC pipes

Water tight and UV resistant foil

Easy to install





Flexicell XLPE is a closed cell cross linked polyethylene foam, commonly used as thermal insulation to protect against heat loss, condensation and sound propagation.

Flexicell XLPE is reinforced with a heat bonded aluminum foil and is available with a factory applied adhesive liner.



FIRE AND SMOKE PERFORMANCE

Flexicell XLPE meets AS1530.3 (1999) - early fire hazard properties of materials. Flexicell XLPE has also been fully tested to ISO 9705.



EXCELLENT THERMAL EFFICIENCY

Flexicell XLPE has a very low thermal conductivity, guaranteeing high performance in thermal insulation applications. Further to this, as Flexicell XLPE is closed cell, it also provides excellent levels of condensation control.



ENVIRONMENTALLY FRIENDLY

Flexicell XLPE is a CFC and HCFC free product. It does not contain, nor use in its production, any substances that contribute to Ozone Depletion Potential (ODP) or to the Global Warming Potential (GWP). Flexicell XLPE is fibre free and has a very low Volatile Organic Compound (VOC) emission level.



ZERO WATER VAPOUR PERMEABILITY

Condensation control is a key performance aspect of any insulation. Flexicell XLPE can be installed without any additional vapour barriers due to its closed cell construction, and watertight aluminium foil barrier. Flexicell XLPE's excellent protection against condensation ensures the long-term thermal efficiency of the insulation.



EASE OF INSTALLATION

Flexicell XLPE is fast, safe and easy to install. It is more flexible than other pipe insulation products, including glasswool, polystyrene and other extruded foams. This results in a greatly reduced installation time, thereby affording significantly increased productivity.

TECHNICAL DATA

Brief description:

Flexible closed cell insulation material with low thermal conductivity.

Material: Polyethylene foam with a density of +/- 25kg/m³ (foam core) and grey colour.

Applications: Insulation to prevent condensation and increase thermal performance.

Property	Value/ Assesment	Tested acc. to:
Temperature range		
Max. line temperature	+105° C	DIN EN 14706 : 2005 (E)
Min. line temperature	-80° C	
Thermal conductivity (W/mK) at 23° C	0.032	ASTM C518 : 2010
Water vapour permeability (g/h.m²)	0	ASTM E96
Water vapour permeance [perms]	0	ASTM E96
Water absorption [% by volume]	0.3	BS EN 12087 : 1997
Fire Performance		
Ignitability	0	AS/NZS 1530.3 : 1999
Spread of Flame	0	
Heat Evolved	0	
Smoke Developed	1	
Group Rating (NZBC Sec. C)	2S	ISO 9705
UV Resistance	Excellent	ASTM G155
Resistance to corrosion	Excellent	ASTM B117
Compression set	35.77% (25mm)	ASTM D3574
Resistance to fungi	Excellent	ASTM G21
Resistance to bacteria	Excellent	ISO 22196
Chemical Resistance	Very Good	ASTM C871
Emission (VOC level)	< 4 µg/m ² /hr	ASTM D5116
Environment friendly		
Ozone resistance	Excellent	
Ozone Depletion Potential (ODP)	0	
Global Warming Potential (GWP)	< 5	
CFC & HCFC, dust, fibres	Free	
Storage life		
Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0° C - 35° C)	1 year for self-adhesive products only	
Smoke and toxicity		
1. Smoke toxicity levels	Passed	IMO MSC 61 (67) BS 6853 : 1999
2. Toxic smoke (R-value)	0.77	

*XLPE foam is generally resistant to UV radiation. However for all outdoor application it must be protected with additional weather resistant cladding. From our range of products only **XLPE N Clad** products are suitable for outdoor conditions without additional protection.

Manufactured By



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