

SUPERLON[®]

Quality NBR Insulation



MADE IN MALAYSIA

SUPERLON[®] DUCT INSULATION

Elastomeric Nitrile Duct Insulation

- *Fibre and dust free duct*
- *Self-extinguishing, does not drip*
- *No extra vapour barrier required*



SUPERLON[®] DUCT INSULATION

☑ Indoor Air Quality

Superlon ducting insulation does not contain any dusts and fibres. Dust and fibres entering air ducts may cause discomfort when breathed and can sometimes be harmful to health.

Furthermore Superlon insulation is produced with low volatile organic compounds (VOCs) which are crucial as good ventilation and insulation systems can reduce the incidences from indoor air pollutants.

Superlon's insulation products also does not contain any formaldehyde, and does not contribute to a buildings overall formaldehyde level. Formaldehyde is a known human carcinogen, it is essential to keep formaldehyde levels down.

Eco Friendly

Superlon's insulation's manufacturing process is produced without CFCs and HCFCs. Furthermore it does not contribute to global warming and has no ozone depleting potential.

No Mould Growth

The inherent closed cell structure and high water vapour permeability inhibits mould growth. With no vapour barrier jacketing needed, Superlon's smooth skin surface does not trap dust.



CFC
FREE

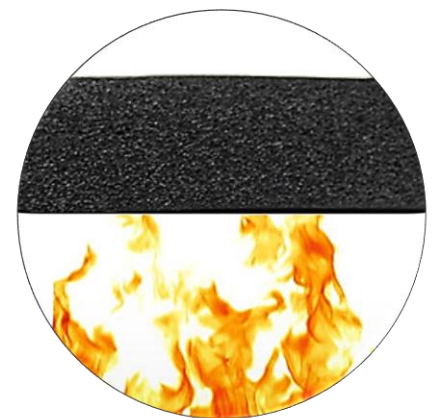
DUST &
FIBRE
FREE

☑ Superior Fire Performance

All of Superlon's insulation materials self-extinguishes when fire is removed. Furthermore, Superlon's duct insulation material does not drip and forms char on the surface when exposed to fire when tested under Underwriters Laboratories (UL) 94. Unlike some other products that are widely available in the market which has a very low melting point.

Superlon is tested and certified with Class 1 and Class O as tested by British Standard (BS) 476 part 6 and part 7. Furthermore Superlon's duct insulation is also approved under Factory Mutual (FM) for fire performance.

Depending on building needs and markets, Class 1 is the most widely used grade. For higher fire performance Superlon recommends Class O and FM approved products for more stringent fire safety measures.



Tested and Certified
according to:



Underwriters
Laboratories



Member of the FM Global Group

SUPERLON[®] DUCT INSULATION

☑ No Vapour Barrier Required

Superlon's insulation structure limits moisture penetration without the need for any jacketing or barriers such as a silver finish.

Made with high percentage of closed cells, Superlon's duct insulation ensures very low water vapour permeability.

☑ Aesthetically Pleasing

Superlon's insulation materials have a smooth skin surface makes sure it represents a respectable and aesthetically pleasing finish for any given job type upon installation.

Superlon's insulation materials can also be customised in various colours according to your needs.

Standard Continuous Roll Sizes

Thickness		Size	
Inches	mm	Feet	Metres
3/8"	10	4' x 30'	1.22 x 9.14
1/2"	13	4' x 30'	1.22 x 9.14
5/8"	16	4' x 30'	1.22 x 9.14
3/4"	19	4' x 30'	1.22 x 9.14
1"	25	4' x 30'	1.22 x 9.14
1 1/4"	32	3.29' x 30'	1 x 9.14
1 1/2"	38	3.29' x 30'	1 x 9.14
2"	50	3.29' x 6.57'	1 x 2

Foam Tape

Size	Rolls Per Carton
3mm x 48mm x 9.14M	24
3mm x 100mm x 9.14M	12



☑ Long-term thermal performance

With low water vapour permeability and low water absorption, Superlon duct insulation can prevent changes in thermal conductivity and maintain long term insulation performance. This can help prevent surface condensation and can keep energy costs low as the building ages.

☑ Fast and Easy to Install

Superlon duct insulation materials are very flexible allowing installers to fabricate and cut into specific shapes and sizes for fast and efficient installations.

Since Superlon does not present any health issues, no safety masks and gloves are needed during installation.

Standard Pre-cut Sheet Sizes

Thickness		Size		Sheets per Carton
Inches	mm	Feet	Metres	
3/8"	10	4' x 3'	1.22 x 0.914	26
1/2"	13	4' x 3'	1.22 x 0.914	20
5/8"	16	4' x 3'	1.22 x 0.914	16
3/4"	19	4' x 3'	1.22 x 0.914	14
1"	25	4' x 3'	1.22 x 0.914	10
1 1/4"	32	4' x 3'	1.22 x 0.914	8
1 1/2"	38	4' x 3'	1.22 x 0.914	7
2"	50	4' x 3'	1.22 x 0.914	5

- Self-adhesive rolls and sheets are available
- Aluminium and silver finish available upon request
- For more information please contact Superlon

SUPERLON DUCT INSULATION

Specifications

	Values				Test Methods
Material	Nitrile Foamed Rubber				
Cell Structure	Closed Cell				
Density	40kg/m ³ -70kg/m ³				
Service Temperature	-50°C to 85°C				
Thermal Conductivity	Mean Temp	0°C	20°C	40°C	ASTM C518
	W/m·K	≤ 0.034	≤ 0.036	≤ 0.038	
	Btu · in/hr · ft ² · °F	≤ 0.24	≤ 0.25	≤ 0.27	
Water Vapour Permeability	≤ 2.9 x 10 ⁻¹⁴ kg/Pa.m.s				ASTM E96
Water Absorption by Volume	μ ≥ 7000 ≤ 0.2%				ASTM C209
Ozone Resistance	Good				
Corrosion Resistance	No Corrosion				
Environment	Dust & Fibre Free, CFC Free, Zero ODP & GWP				

Class 1

	Values	Test Methods
Surface Spread of Flames	Class 1	BS 476 Part 7
Reaction to Fire	Self-Extinguishing, Does not Drip	

Class 0

	Values	Test Methods
Fire Performance	Class 0	BS 476 Part 6
Fire Propagation	Total Index (I) ≤ 12	
	Sub Index (i ₁) ≤ 6	
Reaction to Fire	V-0, 5VA, Self-Extinguishing, No Dripping	UL 94

FM Approved

	Values	Test Methods
FM Approved	Pipes up to 2" (50mm) Thickness Sheets up to 1½" (38mm) Thickness	FM 4294 UBC 26-3



Cert. No. 402887



Cert. No. KLRO197083

SUPERLON

Made in Malaysia by:

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