

DATA SHEET

SISALATION[®] 430 & 430 PERFORATED

Flame Retardant/Medium Weight/ Aluminium Foil

Product Description

SISALATION[®] 430 consists of two layers of an aluminium foil/polymeric adhesive/high density kraft paper laminate bonded together with a flame retardant adhesive, and reinforced with glass fibres arranged in a grid approximately 12 mm x 12mm. The product retains a flammability index less than 5. SISALATION[®] 430 is scuff resistant on both sides.

Product Function

Insulation

SISALATION[®] 430 when used in conjunction with an airspace is an effective thermal insulating material because of the high reflectivity and low emissivity of its aluminium foil surfaces. The combination makes an excellent barrier to heat flow by radiation and convection. SISALATION[®] 430 is used for insulating roofs, walls and floors of houses, industrial, commercial and institutional buildings. The number of layers is determined by the degree of thermal insulation required in the structure.

Sarking

SISALATION[®] 430 makes an ideal sarking and sheathing material where additional weather protection is required. The aluminium foils and polymeric adhesive prevent the ingress of liquid water and provide a high degree of resistance to the passage of water vapour.

Reinforced Double Sided

Water Vapour Barriers

SISALATION[®] 430 has a water permeance when creased of less than 2.26ng/Ns. Sheets of the material can be sealed together with FI pressure sensitive foil tapes to form an effective water vapour barrier for prevention of condensation in buildings and bulk insulation. SISALATION[®] 430 PERFORATED form is used for internal duct lining and other sound dampening and acoustic applications.

Factory Lighting Improvement

SISALATION[®] 430 has a high light reflectivity. When installed in industrial buildings as an exposed internal roof lining, the reflectivity of the ceiling is increased by up to 40%. This results in improved lighting and provides more even light distribution.

Resistance to Acids & Alkalis:

Poor. Must not be used in contact with wet concrete or exposed continuously to corrosive environment.

Durability:

Excellent in normal building applications but outer roof or wall materials should be installed without delay.

If unusual conditions exist, the suitability of the material should be established by contacting a representative of the Company.



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Roll Size

1250 mm x60 m
Other roll sizes can be available on request.

Nominal Grammage 331 gsm
Reflectivity of foil Surface 0.95
Emissivity of foil surface 0.05

All figures are averages only, not guaranteed minimums. Testing conditions: 20°C 65% R.H.

Physical Properties

430

Tensile Strength (ASTM D828)
Longitudinal Direction 12.4 kN/m
Transverse Direction 7.5 kN/m
Bursting Force
(AS 2001.2. 19-1988) 150 N

Fire Rating

(see General Information Technical Data Sheet No. 1 for definitions)	430
(a) Flammability Test AS 1530 Part 2, 1973	
Spread Factor	0
Speed Factor	0
Heat Factor	1
Flammability	1
(b) Early Fire Hazard Properties AS 1530 Part 3, 1982.	
Ignitability Index	0
Spread of flame Index	0
Heat evolved Index	0
Smoke developed Index	0
(c) Fire Propagation Test BS 476 Part 6, 1989	
Index of Performance	(I) : <12
Sub Index	(i ₁) : <6
(d) Large Scale Surface Spread of Flame Test BS 476 Part 7, 1971.....	Class One
(e) Approved CLASS 'O' Rating in accordance with the Fire Code.	

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