



A division of Om Steel Group



**INSULATION
CATALOG
2020**

INSULATION CATALOG

MAK-INDIA.COM



Our offered products are moisture proof, temperature & scuff resistance, leak proof, application specific design and easy to install. We are able to meet the bulk requirements of our customer within the predefined time frame. We are also engaged in offering a broad range of Roof Insulation Services.

At the forefront of innovation and development of new trends as well as cost effective and compliant products, we remain committed to offering valuable service to our customers. Our team has the experience and knowledge to provide assistance for any project or development to meet fire resistance and energy efficiency performance requirements.

Range

- **MAK inSul8:** Multi-layer double sided aluminium foil laminate with superior radiant heat reflective properties for use as roofing insulation and as a highly effective vapor barrier with air-conditioning ductwrap. inSul8 is manufactured by extruding 2 layers of high strength kraft paper and 2 layers of aluminium foil and heat-welding them together with a 3-way fiberglass reinforcing scrim and 3 layers of copolymer resin to form a perfectly sealed, scratch resistant laminate.
- **MAK wRap:** wRap is a single sided poly weave foil recommended for use as a wall wrap behind permeable light weight cladding for domestic and commercial buildings. wRap is a very strong, tear resistant, vapor permeable membrane that prevents the building-up of trapped moisture between the cladding and foil when no air gap exists.

MAK inSul8

FEATURES AND BENEFITS

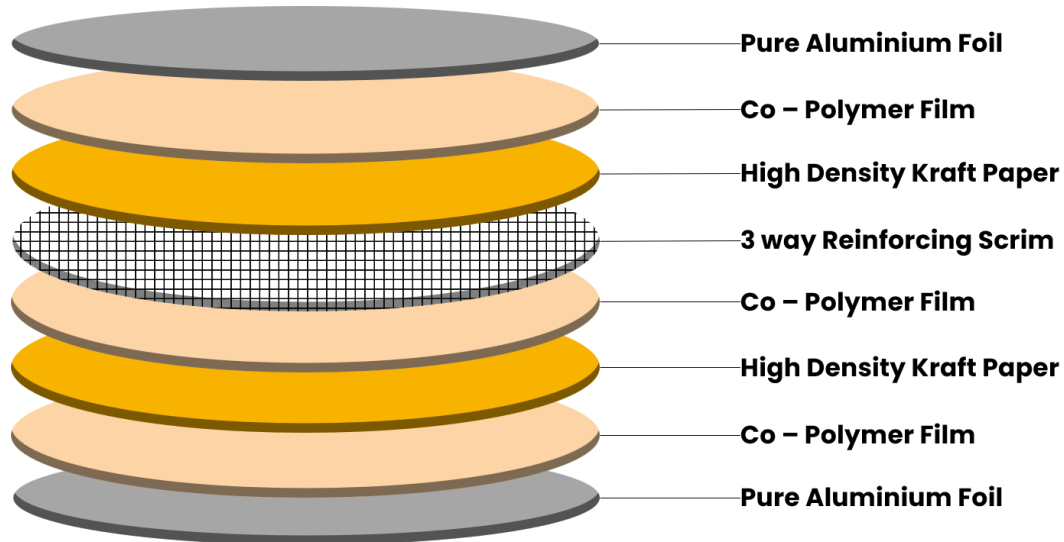
- Heavy duty to provide superior edge tear resistance to prevent ripping during installation.
- Self-supporting high strength product that can be installed on spans up to 1200mm without support.
- Faced on both sides with Albar® to provide scuff resistance and prevent damage to surfaces.
- during construction.
- High density two-way fibreglass reinforcement for greater strength.
- Fire retardant and will not support combustion or the spread of flames.
- Highly reflective to enhance lighting conditions.
- Low emissivity to limit heat loss.
- Manufactured with pure aluminium foil to provide an effective barrier against vapour.

Application

inSul8 is a fire retardent double sided reflective foil laminate which is recommended for use in residential, commercial, and industrial applications as a:

- Thermal insulating material.
- Vapour barrier in the sarking of walls.
- Vapour barrier for all roof types.
- Vapour barrier in the lining and lagging of exposed air-conditioning ducts, pipes and vessels.
- Facing for building insulation blankets for metal deck roofing.
- Facing for building insulation blankets underpinned in concrete slab roofs.
- Barrier against moisture, water vapour, wind, heat and dust penetration when overlapped and sealed with a tape such as VpSeal.

MAK inSu8 - Technical Data



Characteristics

Tensile Strength	ASTM C1136-08
Dimensional Stability	ASTM C1136-08
Ang Tear Resistance	ASTM D2261
Pliability	ASTM C131-05
Burst Strength	ASTM D774/D774m-97
Bleeding & Delamination	ASTM C1313
Surface Burining Characteristics	ASTM E84-08
Humidity Resistance	ASTM C1258-08
Emissivity	ASTM E408-71
Thermal Integrity (-20°C & 60°C)	ASTM C1263-05
Water Vapor Transmission	ASTM E96-05 (B)

Test Methods

ASTM C1136-08
ASTM C1136-08
ASTM D2261
ASTM C131-05
ASTM D774/D774m-97
ASTM C1313
ASTM E84-08
ASTM C1258-08
ASTM E408-71
ASTM C1263-05
ASTM E96-05 (B)

Results

MD: 99.3 lbs/in	CD: 57.5 lbs/in
Wrap Dir: -0.1%	Filling Dir: -0.1%
MD: 21.8 N	CD: 21.1 N
Cracking: NIL	Delamination: NIL
Face: 640 kPa	Back: 590 kPa
Bleeding: NIL	Delamination: 0%
Flame Spread: 10	SmokeDevelop: 0
Delamination: NIL	Corrosion: NIL
Al Surface: ≤0.05	White Ink Coating ≤0.1
Cracking: NIL	Delamination: NIL
WVTR: 0.05 g/h.m2	Perms: 0.17

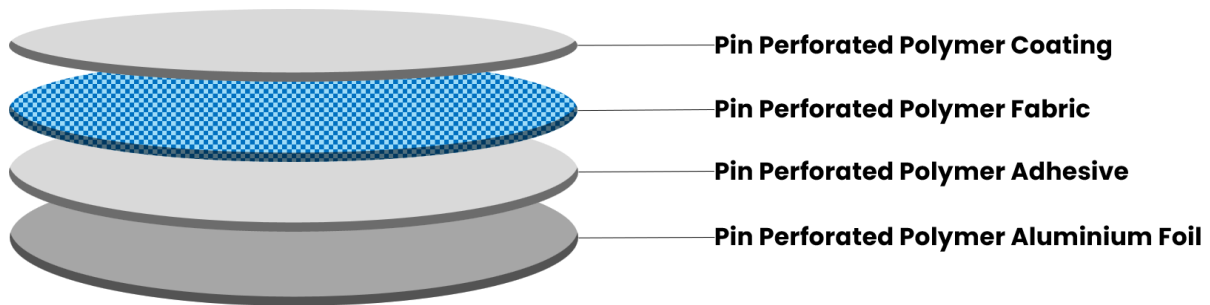
Standard Roll Size

1.35 m x 60 m (81 m²)

MAK wRap

MAK wRAP; features a layer of aluminium foil which is bonded to a polymer-based weave. The blue coloured face of the polymer-weave minimises the level of glare experienced during installation.

This variant, distinguished by pin perforations, is better suited for use in applications where a degree of permeability is required in the wall design; more suitable option where higher vapour permeance is required in a wall design.



Application

Application Typically used as a wall wrap building membrane for residential timber and steel framed walls and gables.

MAK wRAP assists in minimising draughts which enables bulk insulation to perform more effectively.

MAK wRAP is specifically designed for standard residential brick veneer applications.

It acts as a wind, heat and dust barrier and is not a water barrier and cannot protect the building frame against strong wind, rain or storm.

Standard Roll Size

1.35 m x 60 m (81 m²)



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