

K731

TECHNICAL DATA SHEET



The Ideal Vapor Barrier & Radiant Barrier

Description

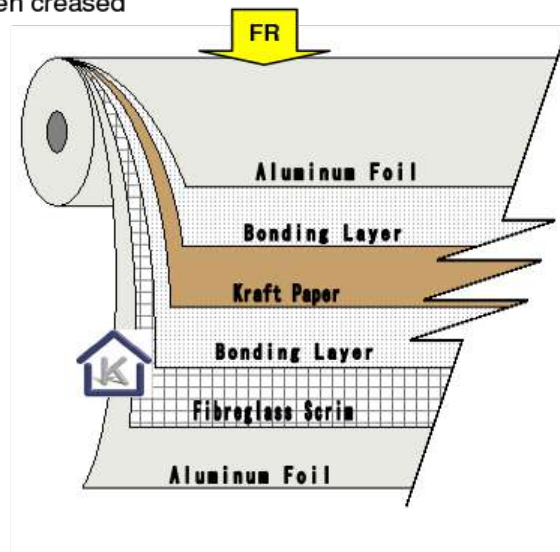
- ✓ Double sided Aluminum Foil (99% pure aluminum) with High Reflectivity & Low Emissivity surface is the most effective Radiant Barrier.
- ✓ Reinforced with special fiberglass scrim 8x8 pattern (12 x 12 mm) for higher product strength
- ✓ Special adhesive & Polyethylene layer combined with aluminum foil giving it SUPERIOR Moisture & Vapor Barrier and improved the product flexibility.
- ✓ Characteristics of K731 are not easily changed by hot roof temperature/high humidity of tropical climate and is stable & will not delaminated when exposed to moisture from HVAC ducting
- ✓ Impermeability to Moisture & Vapor maintains even when creased



(Double Sided Reflective Foil)

Applications

- HVAC Ducting
- Building Wrapping
- Clay tile roofing
- Metal Roofing
- Boiler/Furnace/Steam/Sauna Room Insulation
- Cold Room Insulation
- Hot/Chilled water or steam pipe
- Thermal Tank



Physical Properties

Basic Weight (g/m ²)	150 ± 10gsm
Thickness (microns)	130 ± 10%
Permeability/WVTR (ASTM E96-80), g/h/m ²	max – 0.01
Corrosion or Delamination (95% RH @ 50 degree C, 24 hrs)	None
Tensile Strength (ASTM D 828) kN/m	MD: 6 - 8 ; XD: 6 - 8
Water Resistance	No Delamination
Tear Resistance	Good
Vapor Barrier	Excellent
Sound Barrier	Excellent

CERTIFIED BY BOMBA FOR FIRE RETARDANT CLASS '0'

K431

TECHNICAL DATA SHEET



The Ideal Vapor Barrier & Radiant Barrier

Description

- ✓ Double sided Aluminum Foil (99% pure aluminum) with High Reflectivity & Low Emissivity surface is the most effective Radiant Barrier.
- ✓ Reinforced with special fiberglass scrim 16x8 pattern (6 x 12 mm) for higher product strength
- ✓ Double fiberglass scrim density compared to popular pattern reinforcement (8x8) will reduce possibility of damage during & after installation and severity of damage (if any) will be much lesser
- ✓ Special adhesive & Polyethylene layer combined with aluminum foil giving it SUPERIOR Moisture & Vapor Barrier and improved the product flexibility.
- ✓ Characteristics of **K431** are not easily changed by hot roof temperature/high humidity of tropical climate and is stable & will not delaminated when exposed to moisture from HVAC ducting
- ✓ Impermeability to Moisture & Vapor maintains even when creased

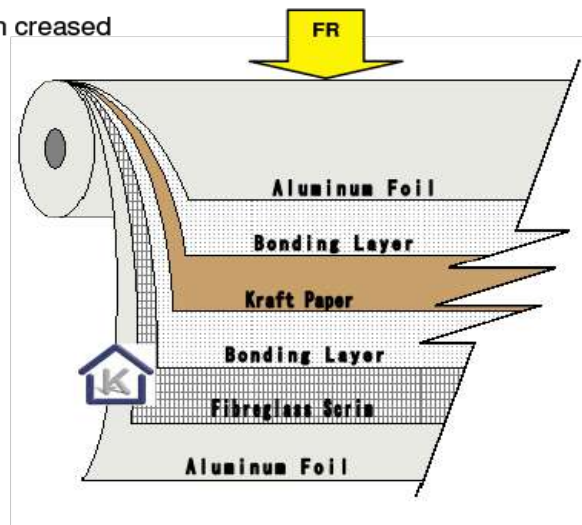
Applications

- HVAC Ducting
- Building Wrapping
- Clay tile roofing
- Metal Roofing
- Boiler/Furnace/Steam/Sauna Room Insulation
- Cold Room Insulation
- Hot/Chilled water or steam pipe
- Thermal Tank

(Double Sided Reflective Foil)

Physical Properties

Basic Weight (g/m ²)	150 ± 10gsm
Thickness (microns)	130 ± 10%
Permeability/WVTR (ASTM E96-80), g/h/m ²	max – 0.01
Corrosion or Delamination (95% RH @ 50 degree C, 24 hrs)	None
Tensile Strength (ASTM D 828) kN/m	MD: 8 - 10 ; XD: 6 - 8
Water Resistance	No Delamination
Tear Resistance	Good
Vapor Barrier	Excellent
Sound Barrier	Excellent



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K450

TECHNICAL DATA SHEET



The Ideal Vapor Barrier & Radiant Barrier

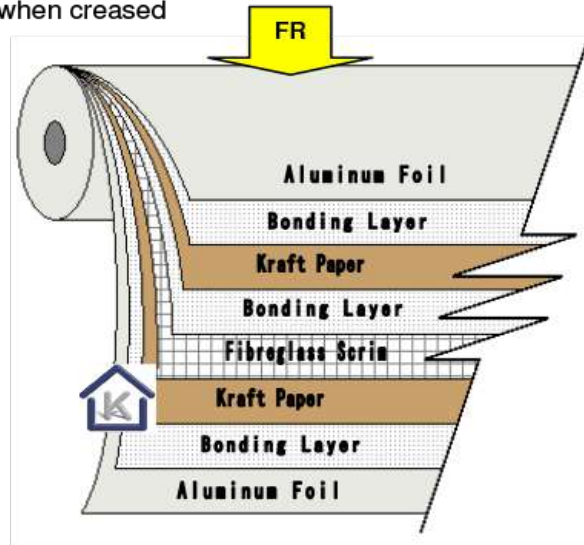
Description

- ✓ Double sided Aluminum Foil (99% pure aluminum) with High Reflectivity & Low Emissivity surface is the most effective Radiant Barrier.
- ✓ Reinforced with special fiberglass scrim 8x8 pattern (12 x 12 mm) for better product strength
- ✓ Combination of extra layers and reinforcement with fiberglass scrim increase the product strength & puncture resistance for HEAVY DUTY application
- ✓ Special adhesive & Polyethylene layer combined with aluminum foil giving it SUPERIOR Moisture & Vapor Barrier and improved the product flexibility.
- ✓ Characteristics of **K450** are not easily changed by hot roof temperature/high humidity of tropical climate and is stable & will not delaminated when exposed to moisture from HVAC ducting
- ✓ Impermeability to Moisture & Vapor maintains even when creased

Applications

- HVAC Ducting
- Building Wrapping
- Clay tile roofing
- Metal Roofing
- Boiler/Furnace/Steam/Sauna Room Insulation
- Cold Room Insulation
- Hot/Chilled water or steam pipe
- Thermal Tank

(HEAVY DUTY Double Sided Reflective Foil)



Physical Properties

Basic Weight (g/m ²)	220 ± 10gsm
Thickness (microns)	170 ± 10%
Permeability/WVTR (ASTM E96-80), g/h/m ²	max – 0.01
Corrosion or Delamination (95% RH @ 50 degree C, 24 hrs)	None
Tensile Strength (ASTM D 828) kN/m	MD: 14 - 16 ; XD: 10 - 12
Water Resistance	No Delamination
Tear Resistance	Good
Vapor Barrier	Excellent
Sound Barrier	Excellent

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K731P

PERFORATED

TECHNICAL DATA SHEET



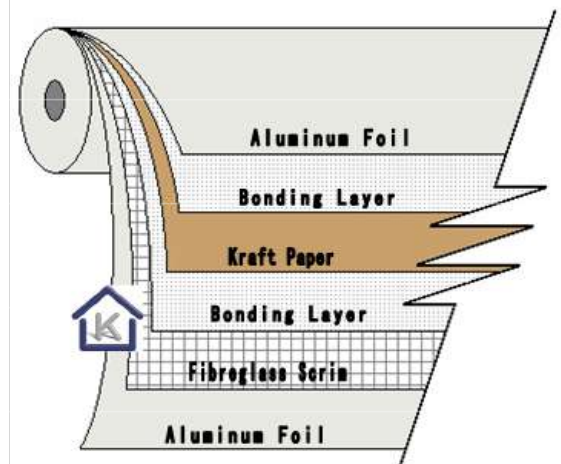
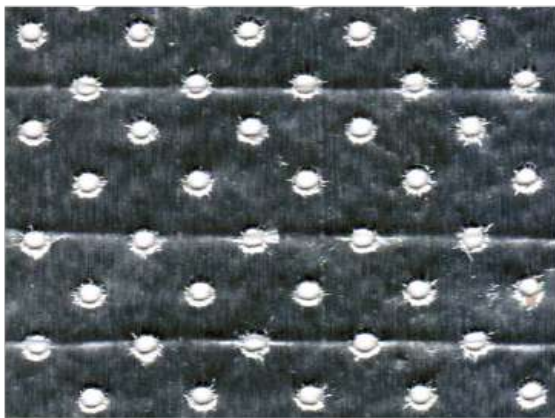
The Ideal Sound Dampening Insulation Backing

Description

- ✓ Double sided Aluminum Foil (99% pure aluminum) with Kraft paper – PERFORATED Light Duty
- ✓ Reinforced with special fiberglass scrim 8x8 pattern (12 x 12 mm) for better product strength
- ✓ Perforation with small openings (2.5mm dia.) to avoid glass wool from passing through
- ✓ Diamond shape perforation pattern to optimize strength and will reduce risk of continuous tear off in case of damage

Applications

- Sound Dampening
- ACMV Duct Internal Liner



(LIGHT DUTY Double Sided Reflective Foil) - PERFORATED

Physical Properties

Basic Weight (g/m ²)	130 ± 10gsm
Thickness (microns)	130 ± 10%
Corrosion or Delamination (95% RH @ 50 degree C, 24 hrs)	None
Perforation / opening diameter	2.5 mm

K431P

PERFORATED

TECHNICAL DATA SHEET



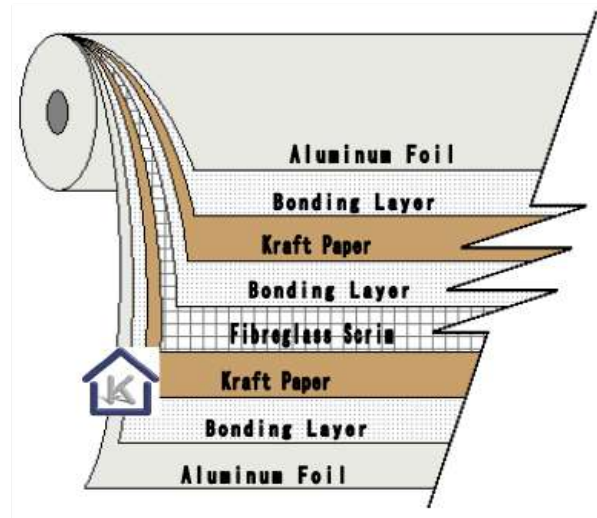
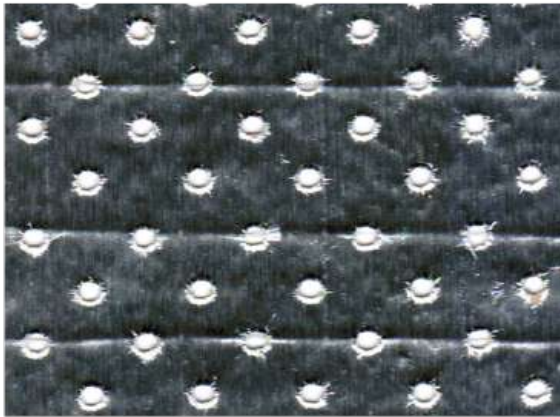
The Ideal Sound Dampening Insulation Backing

Description

- ✓ Double sided Aluminum Foil (99% pure aluminum) with double layer of Kraft paper for Heavy Duty application - PERFORATED
- ✓ Reinforced with special fiberglass scrim 8x8 pattern (12 x 12 mm) for better product strength
- ✓ Perforation with small openings (2.5mm dia.) to avoid glass wool from passing through
- ✓ Diamond shape perforation pattern to optimize strength and will reduce risk of continuous tear off in case of damage

Applications

- Sound Dampening
- ACMV Duct Internal Liner



(HEAVY DUTY Double Sided Reflective Foil) - PERFORATED

Physical Properties

Basic Weight (g/m ²)	200 ± 10gsm
Thickness (microns)	170 ± 10%
Corrosion or Delamination (95% RH @ 50 degree C, 24 hrs)	None
Perforation / opening diameter	2.5 mm

K610

TECHNICAL DATA SHEET



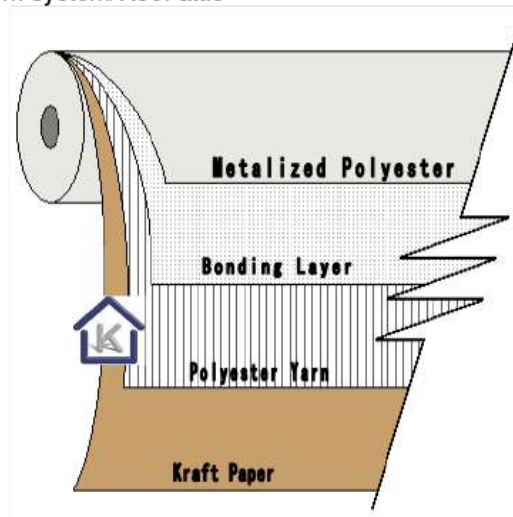
The Ideal Reflective Insulation

Description

- ✓ Single sided High Quality metalized Polyester (High Optical Density) with High Reflectivity & Low Emissivity surface is the most effective Radiant Barrier.
- ✓ K Foil Reflective Insulation will reflect out the RADIANT HEAT transfer and emitting a small amount of heat into the building/system.
- ✓ Coupling with minimum 10mm air space can cut down heat transfer by CONDUCTION and CONVECTION to negligible figure.
- ✓ Reinforced with Polyester Yarn running parallel to increase product tensile & tear strength.
- ✓ Characteristics of **K610** are not easily changed by hot roof temperature/high humidity of tropical climate and is stable & will not delaminated when exposed to moisture from system/Roof attic

Applications

- Building Wrapping
- Concrete/Clay tile roofing
- Metal Roofing
- Wall Insulation
- Foil facing to Bulk Insulation



(Single Sided Reflective Metalized Film)

Physical Properties

Basic Weight (g/m ²)	110 ± 10gsm
Tensile Strength (ASTM D 828) kN/m	MD: 7 - 8 ; XD: 5 - 6
Corrosion or Delamination (95% RH @ 50 degree C, 24 hrs)	None
Permeability/WVTR (ASTM E96-80), g/h/m ²	max – 0.03
Vapor Barrier	Excellent
Sound Barrier	Excellent
Water Resistance	No Delamination
Tear Resistance	Excellent