

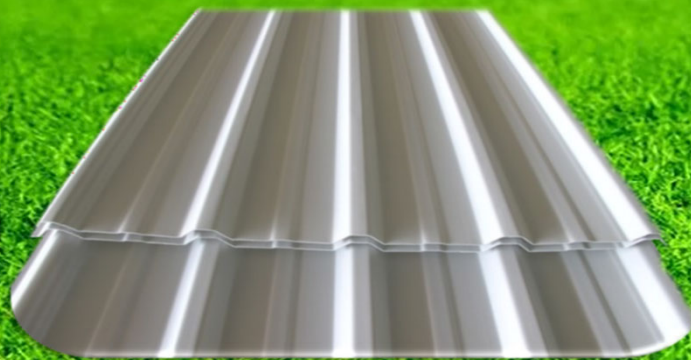
EK Ecoline Roofing System
The Leading Manufacturer
Green Roofing Technology

EK Roofing System For All !!
Industrial Roofing System &
Integrated Roofs Accessories
Residential ASA Roma Roofing Tiles

The Green Solar Roofs From EK Ecoline
" Is Your Right Choices "

EK

Perfect Matching Together with Green Power Energy for Durability, Longer - Lasting & Cost Savings
with EK Ecoline Green Products Up to **20** Years Warranty



ISO 9001 : 2015 Quality Management System

ISO 9001 : 2015 Quality Construction of Upvc Ind. Roof



EK Ecoline
The Integrated Green Solution
For Industrial Building System
EK Pioneer of Green Roofing Manufacturer

Contents Index

1 of 32	Cover Page
2 of 32	Contents Index
3 of 32	The Industrial Solutions
4 of 32	ECL 55 P MegaSpan
5 of 32	ECL 48 JS JumboSpan
6 of 32	ECL 45 HR Classic High Rib
7 of 32	ECL 42 P Standard Classic
8 of 32	ECL 38 P MegaWide
9 of 32	ECL 35 P Premium Selection
10 of 32	ECL 27 SP Wall Selection
11 of 32	ECL 26 CP Classic Selection
12 of 32	ECL Skylight Translucent Skylight Series All Profile
13 of 32	ECL 30 WP Wall Panel
14 of 32	ECL 18 WP Wall Panel
15 of 32	ECL 10 SP Strip Panel
16 of 32	ECL ASA Roma Roofing Tile
17 of 32	ECL Color Chart
18 of 32	EK Ecoline Industrial Fixed Ventilation Louver
19 of 32	EK Ecoline Industrial Fixed Ventilation Louver
20 of 32	EK Ecoline Industrial Water Gutter
21 of 32	EK Ecoline Integrated Roofing Accessories
22 of 32	EK Ecoline Product Specialty (Re-Roofing & Dura Door)
23 of 32	EK Ecoline Product Specialty (Protective Coating)
24 of 32	EK Ecoline Product Specialty (Hoarding & Gate System)
25 of 32	EK Ecoline Products Comparison
26 of 32	EK Ecoline Products Superiority
27 of 32	EK Ecoline Products Accreditation
28 of 32	EK Ecoline Products Quality Proven
29 of 32	EK Ecoline Job References
30 of 32	EK Ecoline Job References
31 of 32	EK Ecoline Roofing & Walling Installation Guide
32 of 32	Back Cover



Our Mission

“Consistently to widen our market reach into different industries by horizontal capture of green users. Innovatively to serve the market and our customers based on their distinctive needs.”

Our Vision

“Being one of the pioneering entrepreneurs in uPVC roof manufacturing in Malaysia, we hope to continue to grow our business and consistently staying ahead in the niche market of this region by supplying high quality products to the industries at an affordable price.”

Our Quality Policy

“Quality of a product or services received is our top-notch concern in our daily life, so do our products and services rendered to all of our stakeholders. Compromising on quality has never been in our mind in the way we manufacture our goods and subsequently be delivered to our customers, so do our after-sales service. Quality is not an own-says pledge nor commitment, but rather, it is judged and perceived by our customers.”





EK Ecoline - The Integrated Industrial Solutions

**100% PEACE OF MIND
THERE'S NO BETTER ROOF**

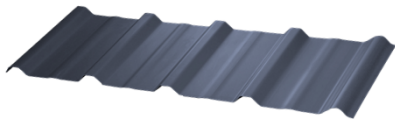
EK Ecoline ☀ Product Benefits.

- ☀ Durable, Strong and Superior Corrosion Resistance Against Harsh Environment Conditions
- ☀ Super Lightweight for Easy Handling
- ☀ Thermal Reflectivity
- ☀ Excellent in Design for Truly Individual Designs
- ☀ Clean Technology to Prevent Dirt and Tropical Staining
- ☀ Thermal Efficiency - Heat Resistance for Greater Thermal Comfort
- ☀ Resistance to Cracking, Chipping & Peeling
- ☀ Flexibility of Design That Suits any Roofing Designs
- ☀ Wide Variety of Colours and Excellent Colour Retention
- ☀ Non-Combustible and Comfort to with Greater Safety

**EXCLUSIVE MATERIALS
SUSTAINABLE
DURABLE AND RECYCLABLE**

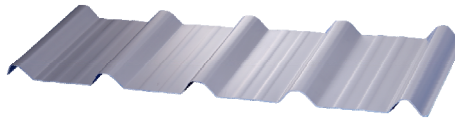


EK Ecoline Skylight Roofing
Nano Translucent Industrial Roofing,
Profile :-
ECTSL 55, ECSTL 48, ECTSL 42,
ECTSL 38, ECTSL 35, ECTSL 27,
ECTSL 18,
(Match With Opaque Roofing Profile)



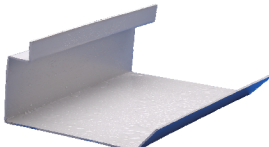
EK Ecoline Side Wall Cladding

Walling Profile :-
ECL 35 ECL 30, ECL 27, ECL 18 ECL 10.
Various Profile For Your Choice

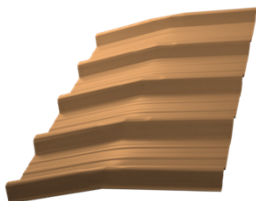


EK Ecoline Roofing (Opaque Roofs)

Roofing, Profile :- ECL 55,
ECL48, ECL 42, ECL 38
ECL 35, ECL 27



EK Ecoline Roofing Accessories Fascia Capping



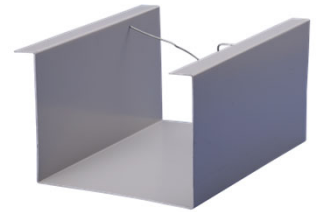
EK Ecoline Ridge Capping (Superior Profile Type)

100% Fully Protected From Rain
Water Flow In & Avoiding Bird
Houses



EK Ecoline (Valley Water Gutter)

Various of Sizes of Girth From
610mm, 914mm, 1219mm &
1828mm. & Custom Made Sizes



**EK Ecoline Industrial Water
Gutter** Various of Sizes of Girth
From 610mm, 914mm & 1219mm &
Custom Made Sizes



EK Ecoline Industrial Fixed Louvres

Beside Standard Sizing We Also
Provide Custom Made Sizes



ECL 55P MegaSpan



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

- ☀ Green Accreditation of Green Pages (Malaysia)
- ☀ SIRIM Tested BS 8414 - Part 1 : 2020
- ☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009
- ☀ SIRIM Tested BS 476 - Part 7 : 1997

Eco-Friendly Building Materials That Help You Save Energy & The Earth.

EK Ecoline Roofing System.

The Most Eco-Friendly Construction Materials.

PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

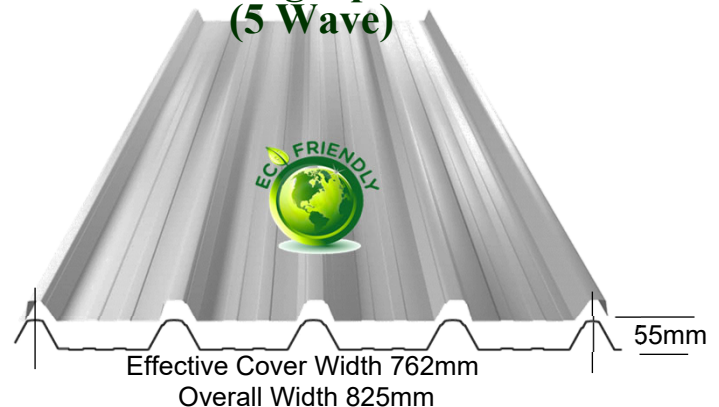
- ☀ Roof Rib Height ≈ 55 mm
- ☀ Minimum Slope 3°
- ☀ Thickness Range From ≈ 2.00mm to 3.00mm
- ☀ Effective Cover Width ≈ 762mm
- ☀ Overall Cover Width ≈ 825mm
- ☀ Roofs Purlin Spacing ≈ 1200mm ~1600mm
- ☀ Roofs Lapping Add Additional Length 300mm
- ☀ Wall Cladding Purlin Spacing ≈ 1500mm ~2000mm

THICKNESS & WEIGHT			ROOFS				WALLS			
No	Sheet Thickness	Weight (kgs)	Single Span	End Span	Internal Span	Stiffened Overhang	Single Span	End Span	Internal Span	Stiffened Overhang
1	2.00 mm	5.167 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
2	2.20 mm	5.683 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1900 mm	200 mm
3	2.50 mm	6.458 kg	1300 mm	1300 mm	1600 mm	300 mm	1600 mm	1600 mm	2000 mm	200 mm
4	2.80 mm	7.233 kg	1500 mm	1500 mm	1700 mm	350 mm	1700 mm	1700 mm	2000 mm	200 mm
5	3.00 mm	7.750 kg	1600 mm	1600 mm	1800 mm	350 mm	1800 mm	1800 mm	2100 mm	250 mm
6	3.25 mm	8.396 kg	1300 mm	1300 mm	1900 mm	400 mm	1900 mm	1900 mm	2200 mm	250 mm
7	3.50 mm	9.042 kg	1500 mm	1500 mm	2000 mm	400 mm	2000 mm	2000 mm	2300 mm	300 mm

EXTRA ADVANTAGES

- ☀ Life-Cycle Cost Savings
- ☀ No Additional Painting Requirement
- ☀ Homogeneous Product
- ☀ High Solar Heat Reflection
- ☀ Low Maintenance / Self Clean
- ☀ Weather Resistance Design For Tropical Climate
- ☀ High Electrical & Thermal Insulation
- ☀ 100% Anti Rusty & Strong Corrosion Resistance
- ☀ Durability & Longer Lasting Products
- ☀ Superior Acoustic Properties
- ☀ High Impact Resistance
- ☀ Light Weight & Unbreakable.
- ☀ Noise Due to Rain - Soft & Quiet.
- ☀ Material : Virgin Fresh Vinyl Chloride Resins
- ☀ Quick & Easy Installation
- ☀ Light Transmission Option
- ☀ Applicable For Internal & External
- ☀ Improved Facility Appearance

ECL 55P & ECTSL 55P MegaSpan (5 Wave)



PACKING (Local Delivery & Export)

Local Delivery are Packed in Strapped Bundles x ±1 Tonne
 Export 40ft Containers - Roof Length 11800mm x ± 26 Tonne
 Export 20ft Containers - Roof Length 5800mm x ± 20 Tonne



- ☀ Thickness Tolerances Length ± 10mm, Width ± 3mm, Sheet Thickness 7.50%
- ☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL 48P JumboSpan



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

- ☀ Green Accreditation of Green Pages (Malaysia)
- ☀ SIRIM Tested BS 8414 - Part 1 : 2020
- ☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009
- ☀ SIRIM Tested BS 476 - Part 7 : 1997

Eco-Friendly Building Materials That Help You Save Energy & The Earth.

EK Ecoline Roofing System.

The Most Eco-Friendly Construction Materials.

PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

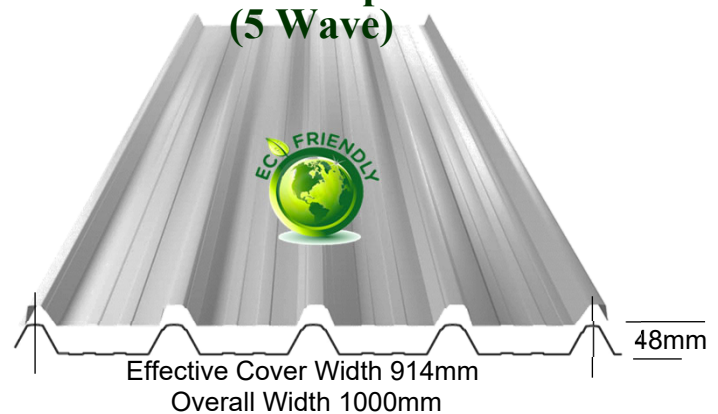
- ☀ Roof Rib Height ≈ 48 mm
- ☀ Minimum Slope 5°
- ☀ Thickness Range From ≈ 1.50mm to 3.00mm
- ☀ Effective Cover Width ≈ 914mm
- ☀ Overall Cover Width ≈ 1000mm
- ☀ Roofs Purlin Spacing ≈ 1200mm ~1600mm
- ☀ Roofs Lapping Add Additional Length 300mm
- ☀ Wall Cladding Purlin Spacing ≈ 1500mm ~2100mm

THICKNESS & WEIGHT			ROOFS				WALLS			
No	Sheet Thickness	Weight (kgs)	Single Span	End Span	Internal Span	Stiffened Overhang	Single Span	End Span	Internal Span	Stiffened Overhang
1	1.50 mm	3.391 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
2	1.65 mm	3.730 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
3	1.80 mm	4.069 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
4	2.00 mm	4.521 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
5	2.20 mm	4.973 kg	1200 mm	1200 mm	1500 mm	300 mm	1600 mm	1600 mm	1900 mm	250 mm
6	2.50 mm	5.651 kg	1300 mm	1300 mm	1600 mm	350 mm	1700 mm	1700 mm	2000 mm	250 mm
7	2.80 mm	6.329 kg	1500 mm	1500 mm	1700 mm	350 mm	1800 mm	1800 mm	2100 mm	300 mm
8	3.00 mm	6.781 kg	1600 mm	1600 mm	1800 mm	400 mm	2000 mm	2000 mm	2100 mm	300 mm

EXTRA ADVANTAGES

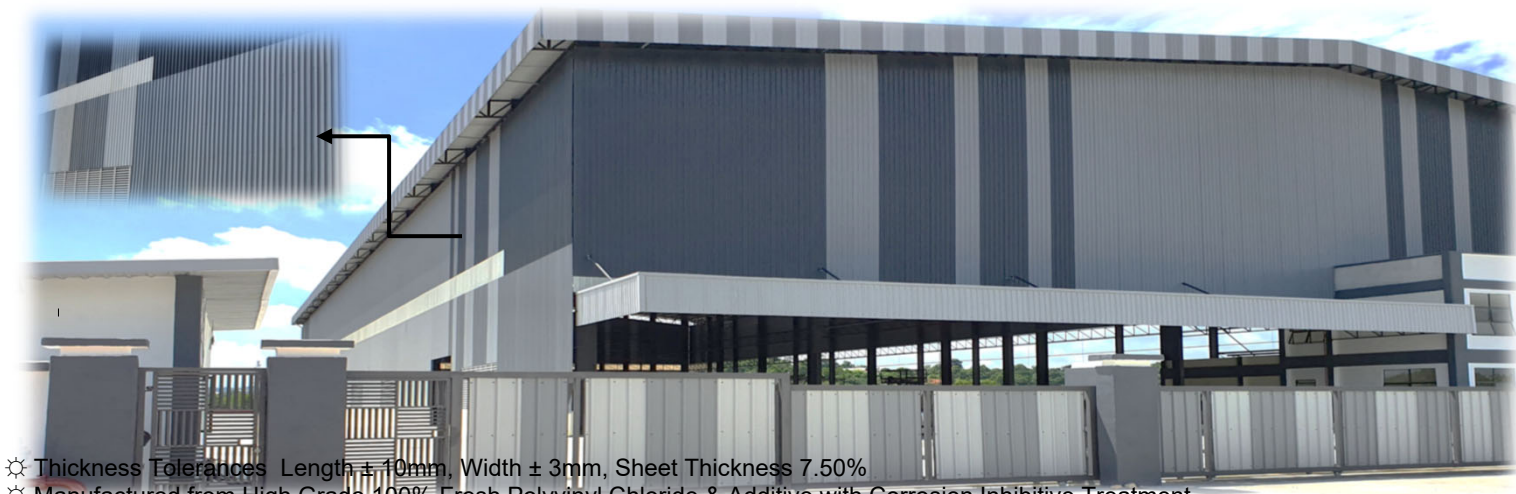
- ☀ Life-Cycle Cost Savings
- ☀ No Additional Painting Requirement
- ☀ Homogeneous Product
- ☀ High Solar Heat Reflection
- ☀ Low Maintenance / Self Clean
- ☀ Weather Resistance Design For Tropical Climate
- ☀ High Electrical & Thermal Insulation
- ☀ 100% Anti Rusty & Strong Corrosion Resistance
- ☀ Durability & Longer Lasting Products
- ☀ Superior Acoustic Properties
- ☀ High Impact Resistance
- ☀ Light Weight & Unbreakable.
- ☀ Noise Due to Rain - Soft & Quiet.
- ☀ Material : Virgin Fresh Vinyl Chloride Resins
- ☀ Quick & Easy Installation
- ☀ Light Transmission Option
- ☀ Applicable For Internal & External
- ☀ Improved Facility Appearance

ECL 48JS & ECTSL 48JS JumboSpan (5 Wave)



PACKING (Local Delivery & Export)

Local Delivery are Packed in Strapped Bundles x ±1 Tonne
 Export 40ft Containers - Roof Length 11800mm x ± 26 Tonne
 Export 20ft Containers - Roof Length 5800mm x ± 20 Tonne



- ☀ Thickness Tolerances Length ± 10mm, Width ± 3mm, Sheet Thickness 7.50%
- ☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL 45HR Classic Profile



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

☀ Green Accreditation of Green Pages (Malaysia)

☀ SIRIM Tested BS 8414 - Part 1 : 2020

☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009

☀ SIRIM Tested BS 476 - Part 7 : 1997

Eco-Friendly Building Materials That Help You Save Energy & The Earth.

EK Ecoline Roofing System.

The Most Eco-Friendly Construction Materials.

PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

- ☀ Roof Rib Height ≈ 45 mm
- ☀ Minimum Slope 5°
- ☀ Thickness Range From ≈ 1.50mm to 2.50mm
- ☀ Effective Cover Width ≈ 690mm
- ☀ Overall Cover Width ≈ 780mm
- ☀ Roofs Purlin Spacing ≈ 1200mm ~1300mm
- ☀ Roofs Lapping Add Additional Length 300mm
- ☀ Wall Cladding Purlin Spacing ≈ 1500mm ~1700mm

THICKNESS & WEIGHT			ROOFS				WALLS			
No	Sheet Thickness	Weight (kgs)	Single Span	End Span	Internal Span	Stiffened Overhang	Single Span	End Span	Internal Span	Stiffened Overhang
1	1.50 mm	3.391 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
2	1.65 mm	3.730 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
3	1.80 mm	4.069 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	250 mm
4	2.00 mm	4.521 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	250 mm
5	2.20 mm	4.973 kg	1200 mm	1200 mm	1500 mm	350 mm	1600 mm	1600 mm	1900 mm	300 mm
6	2.50 mm	5.651 kg	1300 mm	1300 mm	1600 mm	350 mm	1700 mm	1700 mm	2000 mm	300 mm

EXTRA ADVANTAGES

- ☀ Life-Cycle Cost Savings
- ☀ No Additional Painting Requirement
- ☀ Homogeneous Product
- ☀ High Solar Heat Reflection
- ☀ Low Maintenance / Self Clean
- ☀ Weather Resistance Design For Tropical Climate
- ☀ High Electrical & Thermal Insulation
- ☀ 100% Anti Rusty & Strong Corrosion Resistance
- ☀ Durability & Longer Lasting Products
- ☀ Superior Acoustic Properties
- ☀ High Impact Resistance
- ☀ Light Weight & Unbreakable.
- ☀ Noise Due to Rain - Soft & Quiet.
- ☀ Material : Virgin Fresh Vinyl Chloride Resins
- ☀ Quick & Easy Installation
- ☀ Light Transmission Option
- ☀ Applicable For Internal & External
- ☀ Improved Facility Appearance

ECL 45HR & ECTSL 45HR Classic Profile (4 Wave)



PACKING (Local Delivery & Export)

Local Delivery are Packed in Strapped Bundles x ±1 Tonne
 Export 40ft Containers - Roof Length 11800mm x ± 26 Tonne
 Export 20ft Containers - Roof Length 5800mm x ± 20 Tonne



☀ Thickness Tolerances Length ±10mm, Width ±3mm, Sheet Thickness 7.50%

☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment

☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL 42P Classic Profile



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

- ☀ Green Accreditation of Green Pages (Malaysia)
- ☀ SIRIM Tested BS 8414 - Part 1 : 2020
- ☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009
- ☀ SIRIM Tested BS 476 - Part 7 : 1997

Eco-Friendly Building Materials That Help You Save Energy & The Earth.

EK Ecoline Roofing System.

The Most Eco-Friendly Construction Materials.

PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

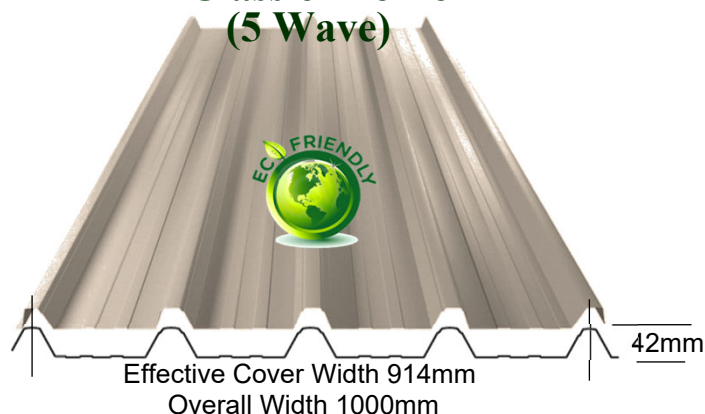
- ☀ Roof Rib Height ≈ 42 mm
- ☀ Minimum Slope 7°
- ☀ Thickness Range From ≈ 1.50mm to 3.00mm
- ☀ Effective Cover Width ≈ 914mm
- ☀ Overall Cover Width ≈ 1000mm
- ☀ Roofs Purlin Spacing ≈ 1200mm ~1600mm
- ☀ Roofs Lapping Add Additional Length 300mm
- ☀ Wall Cladding Purlin Spacing ≈ 1200mm ~2000mm

THICKNESS & WEIGHT			ROOFS				WALLS			
No	Sheet Thickness	Weight (kgs)	Single Span	End Span	Internal Span	Stiffened Overhang	Single Span	End Span	Internal Span	Stiffened Overhang
1	1.50 mm	3.391 kg	1000 mm	1000 mm	1000 mm	300 mm	1200 mm	1200 mm	1500 mm	200 mm
2	1.65 mm	3.730 kg	1100 mm	1100 mm	1100 mm	300 mm	1200 mm	1200 mm	1500 mm	200 mm
3	1.80 mm	4.069 kg	1200 mm	1200 mm	1200 mm	300 mm	1200 mm	1200 mm	1600 mm	200 mm
4	2.00 mm	4.521 kg	1200 mm	1200 mm	1200 mm	300 mm	1200 mm	1200 mm	1700 mm	200 mm
5	2.20 mm	4.973 kg	1200 mm	1200 mm	1200 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
6	2.50 mm	5.651 kg	1300 mm	1300 mm	1300 mm	350 mm	1600 mm	1600 mm	1900 mm	250 mm
7	2.80 mm	6.329 kg	1500 mm	1500 mm	1500 mm	350 mm	1800 mm	1800 mm	2000 mm	250 mm
8	3.00 mm	6.781 kg	1600 mm	1600 mm	1600 mm	350 mm	1900 mm	1900 mm	2000 mm	300 mm

EXTRA ADVANTAGES

- ☀ Life-Cycle Cost Savings
- ☀ No Additional Painting Requirement
- ☀ Homogeneous Product
- ☀ High Solar Heat Reflection
- ☀ Low Maintenance / Self Clean
- ☀ Weather Resistance Design For Tropical Climate
- ☀ High Electrical & Thermal Insulation
- ☀ 100% Anti Rusty & Strong Corrosion Resistance
- ☀ Durability & Longer Lasting Products
- ☀ Superior Acoustic Properties
- ☀ High Impact Resistance
- ☀ Light Weight & Unbreakable.
- ☀ Noise Due to Rain - Soft & Quiet.
- ☀ Material : Virgin Fresh Vinyl Chloride Resins
- ☀ Quick & Easy Installation
- ☀ Light Transmission Option
- ☀ Applicable For Internal & External
- ☀ Improved Facility Appearance

ECL 42P & ECTSL 42P Classic Profile (5 Wave)



PACKING (Local Delivery & Export)

Local Delivery are Packed in Strapped Bundles x ±1 Tonne
Export 40ft Containers - Roof Length 11800mm x ± 26 Tonne
Export 20ft Containers - Roof Length 5800mm x ± 20 Tonne



BENEFITS OF HOMOGENEOUS

Resistant to Cracks. The Firing Process in the Manufacture of Homogeneous Roofs gives them an Extra Level of Protection, which makes them Difficult to Crack

TWIN SCREW EXTRUSION PROCESS

Custom Twin Screw Extrusion Production Process.
Formed to a Maximum Transportable Length
(Cut to Size) Minimise Wastage of Materials

- ☀ Thickness Tolerances Length ± 10mm, Width ± 3mm, Sheet Thickness 7.50%
- ☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL 38P MegaWide



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

- ☀ Green Accreditation of Green Pages (Malaysia)
- ☀ SIRIM Tested BS 8414 - Part 1 : 2020
- ☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009
- ☀ SIRIM Tested BS 476 - Part 7 : 1997

Eco-Friendly Building Materials That Help You Save Energy & The Earth.

EK Ecoline Roofing System.

The Most Eco-Friendly Construction Materials.

PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

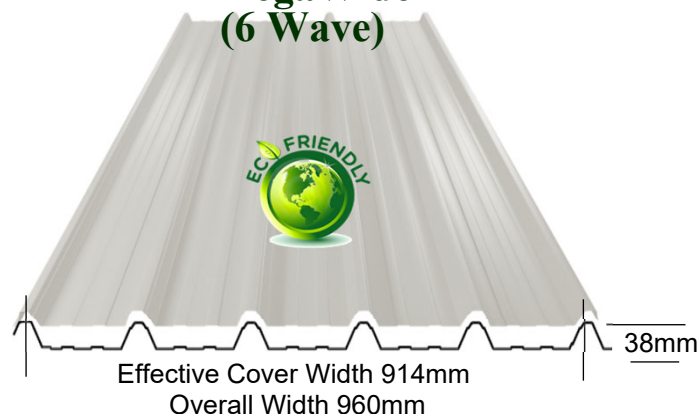
- ☀ Roof Rib Height ≈ 38 mm
- ☀ Minimum Slope 5° - 7°
- ☀ Thickness Range From ≈ 1.50mm to 3.00mm
- ☀ Effective Cover Width ≈ 914mm
- ☀ Overall Cover Width ≈ 960mm
- ☀ Roofs Purlin Spacing ≈ 1200mm ~1600mm
- ☀ Roofs Lapping Add Additional Length 300mm
- ☀ Wall Cladding Purlin Spacing ≈ 1500mm ~2000mm

THICKNESS & WEIGHT			ROOFS				WALLS			
No	Sheet Thickness	Weight (kgs)	Single Span	End Span	Internal Span	Stiffened Overhang	Single Span	End Span	Internal Span	Stiffened Overhang
1	1.50 mm	3.374 kg	1200 mm	1200 mm	1200 mm	300 mm	1500 mm	1500 mm	1600 mm	200 mm
2	1.65 mm	3.721 kg	1200 mm	1200 mm	1200 mm	300 mm	1500 mm	1500 mm	1600 mm	200 mm
3	1.80 mm	4.049 kg	1200 mm	1200 mm	1200 mm	300 mm	1500 mm	1500 mm	1600 mm	200 mm
4	2.00 mm	4.499 kg	1200 mm	1200 mm	1200 mm	300 mm	1500 mm	1500 mm	1600 mm	200 mm
5	2.20 mm	4.949 kg	1200 mm	1200 mm	1200 mm	300 mm	1600 mm	1600 mm	1700 mm	250 mm
6	2.50 mm	5.624 kg	1300 mm	1300 mm	1600 mm	350 mm	1600 mm	1600 mm	1800 mm	250 mm
7	2.80 mm	6.299 kg	1300 mm	1300 mm	1600 mm	350 mm	1700 mm	1700 mm	1900 mm	300 mm
8	3.00 mm	6.749 kg	1300 mm	1300 mm	1600 mm	400 mm	1700 mm	1700 mm	2000 mm	300 mm

EXTRA ADVANTAGES

- ☀ Life-Cycle Cost Savings
- ☀ No Additional Painting Requirement
- ☀ Homogeneous Product
- ☀ High Solar Heat Reflection
- ☀ Low Maintenance / Self Clean
- ☀ Weather Resistance Design For Tropical Climate
- ☀ High Electrical & Thermal Insulation
- ☀ 100% Anti Rusty & Strong Corrosion Resistance
- ☀ Durability & Longer Lasting Products
- ☀ Superior Acoustic Properties
- ☀ High Impact Resistance
- ☀ Light Weight & Unbreakable.
- ☀ Noise Due to Rain - Soft & Quiet.
- ☀ Material : Virgin Fresh Vinyl Chloride Resins
- ☀ Quick & Easy Installation
- ☀ Light Transmission Option
- ☀ Applicable For Internal & External
- ☀ Improved Facility Appearance

ECL 38P & ECTSL 38P MegaWide (6 Wave)



PACKING (Local Delivery & Export)

Local Delivery are Packed in Strapped Bundles x ±1 Tonne
Export 40ft Containers - Roof Length 11800mm x ± 26 Tonne
Export 20ft Containers - Roof Length 5800mm x ± 20 Tonne

BENEFITS OF HOMOGENEOUS

Resistant to Cracks. The Firing Process in the Manufacture of Homogeneous Roofs gives them an Extra Level of Protection, which makes them Difficult to Crack

TWIN SCREW EXTRUSION PROCESS

Custom Twin Screw Extrusion Production Process.
Formed to a Maximum Transportable Length
(Cut to Size) Minimise Wastage of Materials

**Latest Walling Colours Concept
The Homogeneous Materials
(Internal & External Same Colour)**

- ☀ Thickness Tolerances Length ± 10mm, Width ± 3mm, Sheet Thickness 7.50%
- ☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL 35P Premium SLC



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

- ☀ Green Accreditation of Green Pages (Malaysia)
- ☀ SIRIM Tested BS 8414 - Part 1 : 2020
- ☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009
- ☀ SIRIM Tested BS 476 - Part 7 : 1997

Eco-Friendly Building Materials That Help You Save Energy & The Earth.

EK Ecoline Roofing System.

The Most Eco-Friendly Construction Materials.

PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

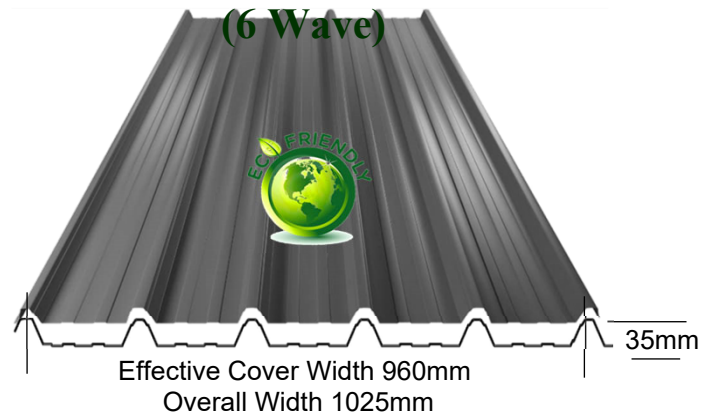
- ☀ Roof Rib Height ≈ 35 mm
- ☀ Minimum Slope 7°
- ☀ Thickness Range From ≈ 1.50mm to 2.80mm
- ☀ Effective Cover Width ≈ 960mm
- ☀ Overall Cover Width ≈ 1025mm
- ☀ Roofs Purlin Spacing ≈ 1000mm ~1300mm
- ☀ Roofs Lapping Add Additional Length 300mm
- ☀ Wall Cladding Purlin Spacing ≈ 1500mm ~1700mm

THICKNESS & WEIGHT			ROOFS				WALLS			
No	Sheet Thickness	Weight (kgs)	Single Span	End Span	Internal Span	Stiffened Overhang	Single Span	End Span	Internal Span	Stiffened Overhang
1	1.50 mm	3.197 kg	1000 mm	1000 mm	1300 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
2	1.65 mm	3.517 kg	1100 mm	1100 mm	1400 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
3	1.80 mm	3.836 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
4	2.00 mm	4.263 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	200 mm
5	2.20 mm	4.689 kg	1200 mm	1200 mm	1500 mm	300 mm	1500 mm	1500 mm	1800 mm	250 mm
6	2.50 mm	5.328 kg	1300 mm	1300 mm	1500 mm	300 mm	1600 mm	1600 mm	1900 mm	250 mm
7	2.80 mm	5.968 kg	1300 mm	1300 mm	1600 mm	350 mm	1700 mm	1700 mm	2000 mm	250 mm
8	3.00 mm	6.394 kg	1300 mm	1300 mm	1600 mm	350 mm	1800 mm	1800 mm	2000 mm	250 mm

EXTRA ADVANTAGES

- ☀ Life-Cycle Cost Savings
- ☀ No Additional Painting Requirement
- ☀ Homogeneous Product
- ☀ High Solar Heat Reflection
- ☀ Low Maintenance / Self Clean
- ☀ Weather Resistance Design For Tropical Climate
- ☀ High Electrical & Thermal Insulation
- ☀ 100% Anti Rusty & Strong Corrosion Resistance
- ☀ Durability & Longer Lasting Products
- ☀ Superior Acoustic Properties
- ☀ High Impact Resistance
- ☀ Light Weight & Unbreakable.
- ☀ Noise Due to Rain - Soft & Quiet.
- ☀ Material : Virgin Fresh Vinyl Chloride Resins
- ☀ Quick & Easy Installation
- ☀ Light Transmission Option
- ☀ Applicable For Internal & External
- ☀ Improved Facility Appearance

ECL 35P & ECTSL 35P Premium Selection (6 Wave)



PACKING (Local Delivery & Export)

Local Delivery are Packed in Strapped Bundles x ±1 Tonne
 Export 40ft Containers - Roof Length 11800mm x ± 26 Tonne
 Export 20ft Containers - Roof Length 5800mm x ± 20 Tonne



- ☀ Thickness Tolerances Length ± 10mm, Width ± 3mm, Sheet Thickness 7.50%
- ☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL 27SP R&W Selection



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

- ☀ Green Accreditation of Green Pages (Malaysia)
- ☀ SIRIM Tested BS 8414 - Part 1 : 2020
- ☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009
- ☀ SIRIM Tested BS 476 - Part 7 : 1997

Eco-Friendly Building Materials That Help You Save Energy & The Earth.

EK Ecoline Roofing System.

The Most Eco-Friendly Construction Materials.

PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

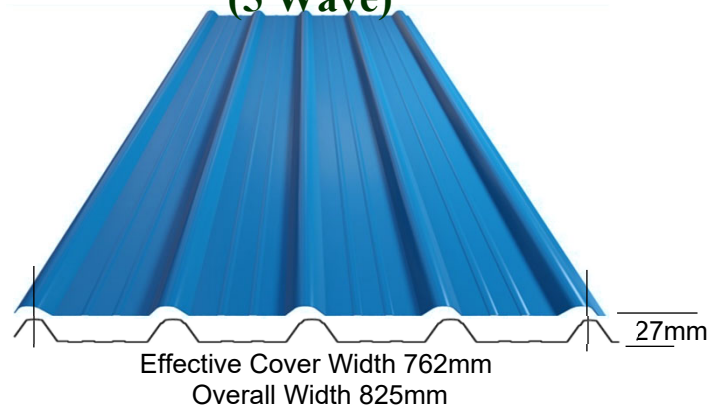
- ☀ Roof Rib Height $\approx$ 27 mm
- ☀ Minimum Slope 7° - 9°
- ☀ Thickness Range From $\approx$ 1.35mm to 2.20mm
- ☀ Effective Cover Width $\approx$ 762mm
- ☀ Overall Cover Width $\approx$ 825mm
- ☀ Roofs Purlin Spacing $\approx$ 900mm ~1200mm
- ☀ Roofs Lapping Add Additional Length 300mm
- ☀ Wall Cladding Purlin Spacing $\approx$ 1200mm ~1800mm

THICKNESS & WEIGHT			ROOFS				WALLS			
No	Sheet Thickness	Weight (kgs)	Single Span	End Span	Internal Span	Stiffened Overhang	Single Span	End Span	Internal Span	Stiffened Overhang
1	1.35 mm	2.848 kg	900 mm	900 mm	1000 mm	300 mm	1200 mm	1200 mm	1400 mm	200 mm
2	1.50 mm	3.165 kg	1000 mm	1000 mm	1000 mm	300 mm	1200 mm	1200 mm	1400 mm	200 mm
3	1.65 mm	3.481 kg	1100 mm	1100 mm	1200 mm	300 mm	1200 mm	1200 mm	1400 mm	200 mm
4	1.80 mm	3.798 kg	1200 mm	1200 mm	1200 mm	300 mm	1200 mm	1200 mm	1500 mm	250 mm
5	2.00 mm	4.219 kg	1200 mm	1200 mm	1200 mm	300 mm	1300 mm	1300 mm	1500 mm	250 mm
6	2.20 mm	4.641 kg	1200 mm	1200 mm	1200 mm	350 mm	1300 mm	1300 mm	1500 mm	300 mm
7	2.50 mm	5.274 kg	1300 mm	1300 mm	1300 mm	350 mm	1500 mm	1500 mm	1800 mm	300 mm

EXTRA ADVANTAGES

- ☀ Life-Cycle Cost Savings
- ☀ No Additional Painting Requirement
- ☀ Homogeneous Product
- ☀ High Solar Heat Reflection
- ☀ Low Maintenance / Self Clean
- ☀ Weather Resistance Design For Tropical Climate
- ☀ High Electrical & Thermal Insulation
- ☀ 100% Anti Rusty & Strong Corrosion Resistance
- ☀ Durability & Longer Lasting Products
- ☀ Superior Acoustic Properties
- ☀ High Impact Resistance
- ☀ Light Weight & Unbreakable.
- ☀ Noise Due to Rain - Soft & Quiet.
- ☀ Material : Virgin Fresh Vinyl Chloride Resins
- ☀ Quick & Easy Installation
- ☀ Light Transmission Option
- ☀ Applicable For Internal & External
- ☀ Improved Facility Appearance

ECL 27SP & ECTSL 27SP Roof & Wall Selection (5 Wave)



PACKING (Local Delivery & Export)

Local Delivery are Packed in Strapped Bundles x $\pm$ 1 Tonne
Export 40ft Containers - Roof Length 11800mm x $\pm$ 26 Tonne
Export 20ft Containers - Roof Length 5800mm x $\pm$ 20 Tonne

BENEFITS OF HOMOGENEOUS

Resistant to Cracks. The Firing Process in the Manufacture of Homogeneous Roofs gives them an Extra Level of Protection, which makes them Difficult to Crack

TWIN SCREW EXTRUSION PROCESS

Custom Twin Screw Extrusion Production Process.
Formed to a Maximum Transportable Length
(Cut to Size) Minimise Wastage of Materials

- ☀ Thickness Tolerances Length $\pm$ 10mm, Width $\pm$ 3mm, Sheet Thickness 7.50%
- ☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL 26CP

Classic Selection



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

- ☀ Green Accreditation of Green Pages (Malaysia)
- ☀ SIRIM Tested BS 8414 - Part 1 : 2020
- ☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009
- ☀ SIRIM Tested BS 476 - Part 7 : 1997

Eco-Friendly Building Materials That Help You Save Energy & The Earth.

EK Ecoline Roofing System.

The Most Eco-Friendly Construction Materials.

PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

- ☀ Roof Rib Height $\approx$ 26 mm
- ☀ Minimum Slope 7° - 9°
- ☀ Thickness Range From $\approx$ 1.35mm to 2.20mm
- ☀ Effective Cover Width $\approx$ 762mm
- ☀ Overall Cover Width $\approx$ 825mm
- ☀ Roofs Purlin Spacing $\approx$ 900mm ~1200mm
- ☀ Roofs Lapping Add Additional Length 300mm
- ☀ Wall Cladding Purlin Spacing $\approx$ 1200mm ~1800mm

THICKNESS & WEIGHT			ROOFS				WALLS			
No	Sheet Thickness	Weight (kgs)	Single Span	End Span	Internal Span	Stiffened Overhang	Single Span	End Span	Internal Span	Stiffened Overhang
1	1.35 mm	2.848 kg	900 mm	900 mm	1000 mm	300 mm	1200 mm	1200 mm	1400 mm	200 mm
2	1.50 mm	3.165 kg	1000 mm	1000 mm	1000 mm	300 mm	1200 mm	1200 mm	1400 mm	200 mm
3	1.65 mm	3.481 kg	1100 mm	1100 mm	1200 mm	300 mm	1200 mm	1200 mm	1400 mm	200 mm
4	1.80 mm	3.798 kg	1200 mm	1200 mm	1200 mm	300 mm	1200 mm	1200 mm	1500 mm	250 mm
5	2.00 mm	4.219 kg	1200 mm	1200 mm	1200 mm	350 mm	1300 mm	1300 mm	1500 mm	250 mm
6	2.20 mm	4.641 kg	1200 mm	1200 mm	1200 mm	350 mm	1300 mm	1300 mm	1500 mm	300 mm

EXTRA ADVANTAGES

- ☀ Life-Cycle Cost Savings
- ☀ No Additional Painting Requirement
- ☀ Homogeneous Product
- ☀ High Solar Heat Reflection
- ☀ Low Maintenance / Self Clean
- ☀ Weather Resistance Design For Tropical Climate
- ☀ High Electrical & Thermal Insulation
- ☀ 100% Anti Rusty & Strong Corrosion Resistance
- ☀ Durability & Longer Lasting Products
- ☀ Superior Acoustic Properties
- ☀ High Impact Resistance
- ☀ Light Weight & Unbreakable.
- ☀ Noise Due to Rain - Soft & Quiet.
- ☀ Material : Virgin Fresh Vinyl Chloride Resins
- ☀ Quick & Easy Installation
- ☀ Light Transmission Option
- ☀ Applicable For Internal & External
- ☀ Improved Facility Appearance

BENEFITS OF HOMOGENEOUS

Resistant to Cracks. The Firing Process in the Manufacture of Homogeneous Roofs gives them an Extra Level of Protection, which makes them Difficult to Crack

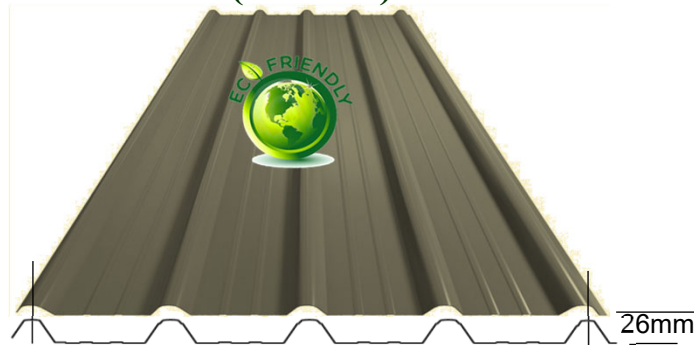
TWIN SCREW EXTRUSION PROCESS

Custom Twin Screw Extrusion Production Process.
Formed to a Maximum Transportable Length
(Cut to Size) Minimise Wastage of Materials

ECL 26CP & ECTSL 26CP

Classic Selection

(5 Wave)



Effective Cover Width 762mm
Overall Width 825mm

PACKING (Local Delivery & Export)

Local Delivery are Packed in Strapped Bundles x $\pm$ 1 Tonne
Export 40ft Containers - Roof Length 11800mm x $\pm$ 26 Tonne
Export 20ft Containers - Roof Length 5800mm x $\pm$ 20 Tonne



- ☀ Thickness Tolerances Length $\pm$ 10mm, Width $\pm$ 3mm, Sheet Thickness 7.50%
- ☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL Skylight (Translucent)



EK Ecoline uPVC (SL) Roofing Sheet

EK Ecoline uPVC (SL) Translucent (Skylight) Roofing Sheet

EK Ecoline Nano Translucent Advantages

100% Savings on daytime electrical lighting cost. Smooth and Natural Skylight Our Translucent Roof Sheet acts as a Natural Skylight providing +/-70% Transparency with moderate heat transmission.

Advantages

- ⚙ Savings On Daytime Electrical Lighting Cost
- ⚙ Non-Fiber Glass Roofing Sheet
- ⚙ Natural Lighting & No Solar Heat Transmission
- ⚙ Uv Protected
- ⚙ Hi-Impact Resistance & Unbreakable
- ⚙ Transparency +/- 70% Has Zero % Degradation
- ⚙ Electricity Cost Savings,
- ⚙ Environmental Friendly
- ⚙ Chemicals Resistance,
- ⚙ Non-FIBER ~Negligible to Zero Yellowing & Brownish Effect

70%
Transparency
Rate

100% PEACE OF MIND

THERE'S NO BETTER TRANSLUCENT ROOF

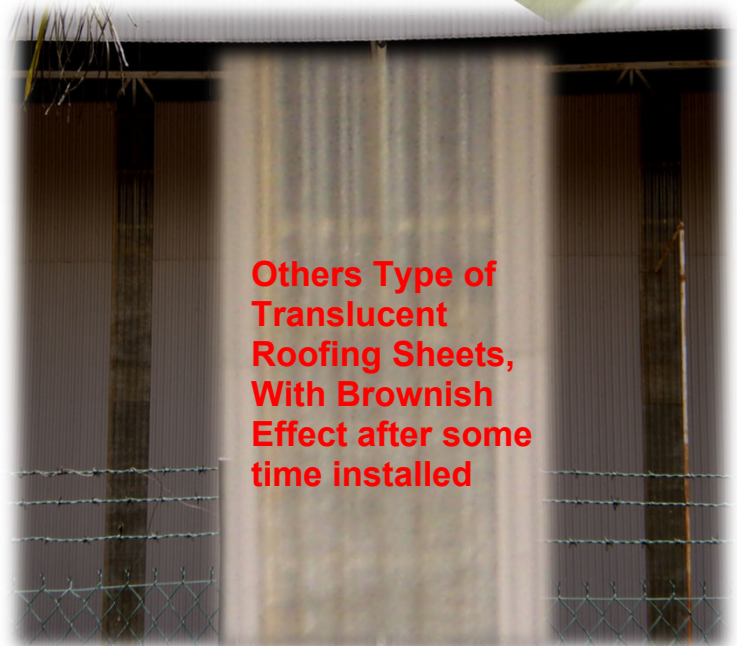


All Profile

EK Ecoline Translucent (Skylight)

All Series of EK Ecoline Roofing

d Walling Sheets



**Others Type of
Translucent
Roofing Sheets,
With Brownish
Effect after some
time installed**



100%
Cost Saving For
Daytime Lighting



- ⚙ Thickness Tolerances Length $\pm 10\text{mm}$, Width $\pm 3\text{mm}$, Sheet Thickness 7.50%
- ⚙ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ⚙ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL 30VS

Vintage Selection



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

- ☀ Green Accreditation of Green Pages (Malaysia)
- ☀ SIRIM Tested BS 8414 - Part 1 : 2020
- ☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009
- ☀ SIRIM Tested BS 476 - Part 7 : 1997

Eco-Friendly Building Materials That Help You Save Energy & The Earth.

EK Ecoline Roofing System.

The Most Eco-Friendly Construction Materials.

PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

- ☀ Round Rib Height ≈ 30mm
- ☀ Thickness Range From ≈ 1.50mm to 2.50mm
- ☀ Effective Cover Width ≈ 1000mm
- ☀ Overall Cover Width ≈ 1095mm
- ☀ Wall Purlin Spacing ≈ 1000mm ~1100mm
- ☀ Roof Purlin Spacing ≈ 800mm ~1000mm
- ☀ Wall Lapping Add Additional Length 100mm
- ☀ Wall Purlin Spacing ≈ 1000mm ~1100mm

THICKNESS & WEIGHT			ROOFS				WALLS			
No	Sheet Thickness	Weight (kgs)	Single Span	End Span	Internal Span	Stiffened Overhang	Single Span	End Span	Internal Span	Stiffened Overhang
1	1.50 mm	3.197 kg	800 mm	800 mm	800 mm	150 mm	1000 mm	1000 mm	1000 mm	150 mm
2	1.65 mm	3.517 kg	900 mm	900 mm	900 mm	150 mm	1000 mm	1000 mm	1000 mm	150 mm
3	1.80 mm	3.836 kg	900 mm	900 mm	900 mm	150 mm	1000 mm	1000 mm	1000 mm	150 mm
4	2.00 mm	4.263 kg	1000 mm	1000 mm	1000 mm	150 mm	1000 mm	1000 mm	1000 mm	150 mm
5	2.20 mm	4.356 kg	1000 mm	1000 mm	1000 mm	150 mm	1100 mm	1100 mm	1100 mm	150 mm
6	2.50 mm	4.950 kg	1000 mm	1000 mm	1000 mm	150 mm	1100 mm	1100 mm	1100 mm	150 mm

EXTRA ADVANTAGES

- ☀ Life-Cycle Cost Savings
- ☀ No Additional Painting Requirement
- ☀ Homogeneous Product
- ☀ High Solar Heat Reflection
- ☀ Low Maintenance / Self Clean
- ☀ Weather Resistance Design For Tropical Climate
- ☀ High Electrical & Thermal Insulation
- ☀ 100% Anti Rusty & Strong Corrosion Resistance
- ☀ Durability & Longer Lasting Products
- ☀ Superior Acoustic Properties
- ☀ High Impact Resistance
- ☀ Light Weight & Unbreakable.
- ☀ Noise Due to Rain - Soft & Quiet.
- ☀ Material : Virgin Fresh Vinyl Chloride Resins
- ☀ Quick & Easy Installation
- ☀ Light Transmission Option
- ☀ Applicable For Internal & External
- ☀ Improved Facility Appearance

ECL 30VS & ECTSL 30VS

Vintage Selection

(6 Wave)



Effective Cover Width 1000mm

Overall Width 1095mm

PACKING (Local Delivery & Export)

Local Delivery are Packed in Strapped Bundles x ±1 Tonne
 Export 40ft Containers - Roof Length 11800mm x ± 26 Tonne
 Export 20ft Containers - Roof Length 5800mm x ± 20 Tonne



- ☀ Thickness Tolerances Length ± 10mm, Width ± 3mm, Sheet Thickness 7.50%
- ☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL 18SWS

Smart Selection



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

- ☀ Green Accreditation of Green Pages (Malaysia)
- ☀ SIRIM Tested BS 8414 - Part 1 : 2020
- ☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009
- ☀ SIRIM Tested BS 476 - Part 7 : 1997

Eco-Friendly Building Materials That Help You Save Energy & The Earth.

EK Ecoline Roofing System.

The Most Eco-Friendly Construction Materials.

PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

- ☀ Roof Rib Height ≈ 18mm
- ☀ Thickness Range From ≈ 1.35mm to 2.00mm
- ☀ Effective Cover Width ≈ 762mm
- ☀ Overall Cover Width ≈ 825mm
- ☀ Ceiling Support Spacing ≈ 610mm ~ 914mm
- ☀ Length Lapping Add Additional Length 50mm
- ☀ Wall Purlin Spacing ≈ 1000mm ~ 1200mm

THICKNESS & WEIGHT			CEILING				WALLS			
No	Sheet Thickness	Weight (kgs)	Hanger Support	Hanger Rod	Ceiling Carrier	Main Carrier	Single Span	End Span	Internal Span	Stiffened Overhang
1	1.35 mm	2.805 kg	1220 mm	1220 mm	610 mm	2440 mm	610 mm	1200 mm	1200 mm	300 mm
2	1.50 mm	3.116 kg	1220 mm	1220 mm	610 mm	2440 mm	914 mm	1200 mm	1200 mm	300 mm
3	1.65 mm	3.428 kg	1220 mm	1220 mm	610 mm	2440 mm	1000 mm	1200 mm	1200 mm	300 mm
4	1.80 mm	3.739 kg	1220 mm	1220 mm	915 mm	2440 mm	1200 mm	1200 mm	1200 mm	300 mm
5	2.00 mm	4.155 kg	1220 mm	1220 mm	1220 mm	2440 mm	1200 mm	1200 mm	1200 mm	300 mm

EXTRA ADVANTAGES

- ☀ Life-Cycle Cost Savings
- ☀ No Additional Painting Requirement
- ☀ Homogeneous Product
- ☀ High Solar Heat Reflection
- ☀ Low Maintenance / Self Clean
- ☀ Weather Resistance Design For Tropical Climate
- ☀ High Electrical & Thermal Insulation
- ☀ 100% Anti Rusty & Strong Corrosion Resistance
- ☀ Durability & Longer Lasting Products
- ☀ Superior Acoustic Properties
- ☀ High Impact Resistance
- ☀ Light Weight & Unbreakable.
- ☀ Noise Due to Rain - Soft & Quiet.
- ☀ Material : Virgin Fresh Vinyl Chloride Resins
- ☀ Quick & Easy Installation
- ☀ Light Transmission Option
- ☀ Applicable For Internal & External
- ☀ Improved Facility Appearance

PACKING (Local Delivery & Export)

Local Delivery are Packed in Strapped Bundles x ±1 Tonne
 Export 40ft Containers - Roof Length 11800mm x ± 26 Tonne
 Export 20ft Containers - Roof Length 5800mm x ± 20 Tonne

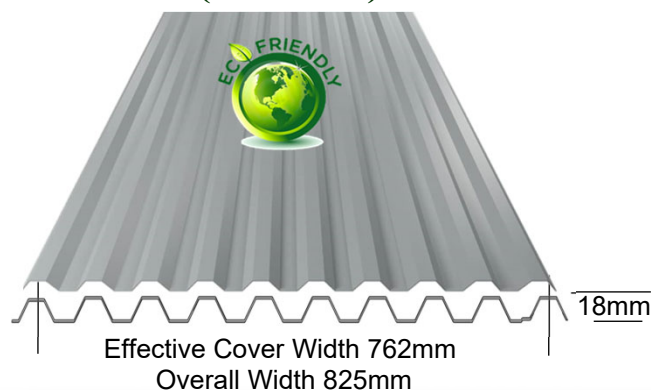
TWIN SCREW EXTRUSION PROCESS

Custom Twin Screw Extrusion Production Process.
 Formed to a Maximum Transportable Length
 (Cut to Size) Minimise Wastage of Materials

ECL 18 SWS & ECTSL 18 SWS

Smart Wall Selection

(10 Wave)



Vertical Installation

Horizontal Installation

Three Colour Combination
(Colour Grey Series)

- ☀ Thickness Tolerances Length ± 10mm, Width ± 3mm, Sheet Thickness 7.50%
- ☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ECL 10SP Strip Panel



EK Ecoline uPVC (SL) Roofing Sheet.

100% Peace of Mind.

There's No Better Roof.

EK Ecoline Roofing System.

The Best Solar Roofs In This Era !

PRODUCT TESTED & QUALITY PROVEN

- ☀ Green Accreditation of Green Pages (Malaysia)
- ☀ SIRIM Tested BS 8414 - Part 1 : 2020
- ☀ SIRIM Tested BS 476 - Part 6 : 1989+A1 : 2009
- ☀ SIRIM Tested BS 476 - Part 7 : 1997

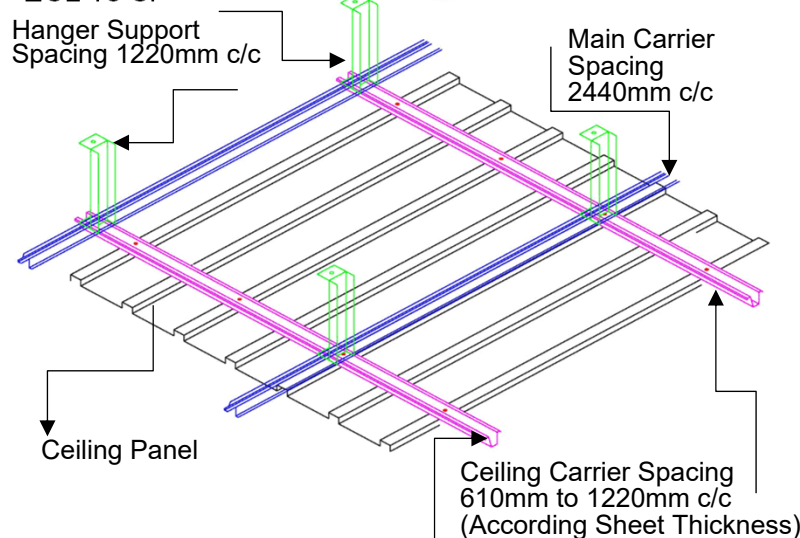
BENEFITS OF HOMOGENEOUS

Resistant to Cracks. The Firing Process in the Manufacture of Homogeneous Roofs gives them an Extra Level of Protection, which makes them Difficult to Crack

CEILING PANEL TYPE (Medhot Installation)

ECL 18 SWS

ECL 10 SP



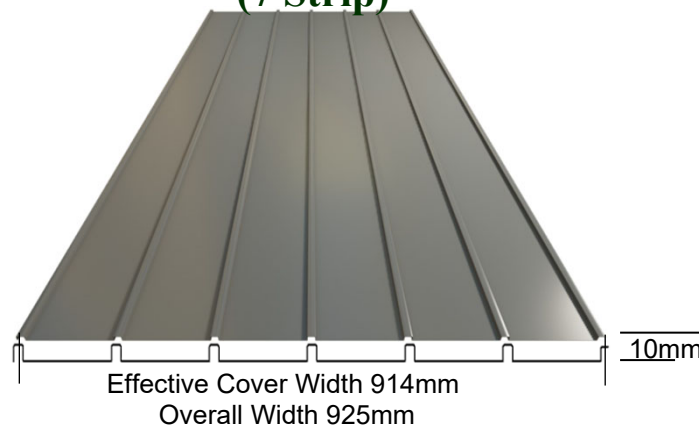
PRODUCT FEATURES

- ☀ Very Strong U.V. Protection
- ☀ Long Life Span (Durability & Longer-Lasting)
- ☀ Suitable For Solar Panels Installation
- ☀ Flame Retardant (Refer SIRIM BS 8414)
- ☀ Heat & Sound Insulation
- ☀ Environment Friendly & Energy Saving
- ☀ Impact Resistance & Low Temperature

GENERAL TECHNICAL & SPECIFICATIONS

- ☀ Roof Rib Height $\approx$ 10mm
- ☀ Thickness $\approx$ 1.15mm (2.389 kg/m²)
- ☀ Thickness $\approx$ 1.25mm (2.597 kg/m²)
- ☀ Thickness $\approx$ 1.35mm (2.805 kg/m²)
- ☀ Effective Cover Width $\approx$ 914 mm
- ☀ Overall Width $\approx$ 925 mm
- ☀ Roofs Purlin Spacing $\approx$ 610mm (Roof Underlay)
- ☀ Roofs Lapping Add Additional Length 20mm
- ☀ Wall Cladding Purlin Spacing $\approx$ 610mm ~ 762mm
- ☀ Ceiling Hanger Spacing $\approx$ 610mm~762mm (According Sheet Thickness)

ECL 10SP & ECTSL 10SP Strip Panel (7 Strip)



Underlay Roofing

Design-friendly and efficient

EK Ecoline ECL 10SP Ecoline Strip Panels Delivers Long-Lasting Advantages From Generation to Generations, that is not found in others alternative materials.

- ☀ **ROOF LEAKAGE PROTECTION**
- ☀ **WATER PROOFS**
- ☀ **COOLING & COMFORTABLE**

EXTRA ADVANTAGES

- ☀ Suitable For Internal & External
- ☀ Anti Corrossion & Rusty Proof
- ☀ Fire Retardant Materials
- ☀ Pest & Termite Proof
- ☀ High Solar Heat Reflection
- ☀ And Many More



- ☀ Thickness Tolerances Length $\pm$ 10mm, Width $\pm$ 3mm, Sheet Thickness 7.50%
- ☀ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☀ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

ART 1080 ASA Roma



EK Ecoline ASA Roma Roof Tile

GENERAL TECHNICAL & SPECIFICATIONS

- ☼ Roof Curve Rib Height ≈ 30 mm
- ☼ Minimum Slope 7° and Above
- ☼ Thickness Range From ≈ 2.00 mm to 3.00 mm
- ☼ Effective Cover Width ≈ 940 mm
- ☼ Overall Cover Width ≈ 1080 mm
- ☼ Roofs Purlin Spacing ≈ 984 mm

What is ASA Materials : ACRYLIC-STYRENE-ACRYLONITRILE COPOLYMER (ASA) IS A THERMOPLASTIC ELASTOMER. THIS TYPE OF COPOLYMER HAS EXCELLENT RESISTANCE TO UV IRRADIATION, HEAT, MOISTURE, AND STRESS CRACKING AND PROBABLY HAS THE BEST WEATHERING RESISTANCE OF ALL ACRYLONITRILE ELASTOMERS

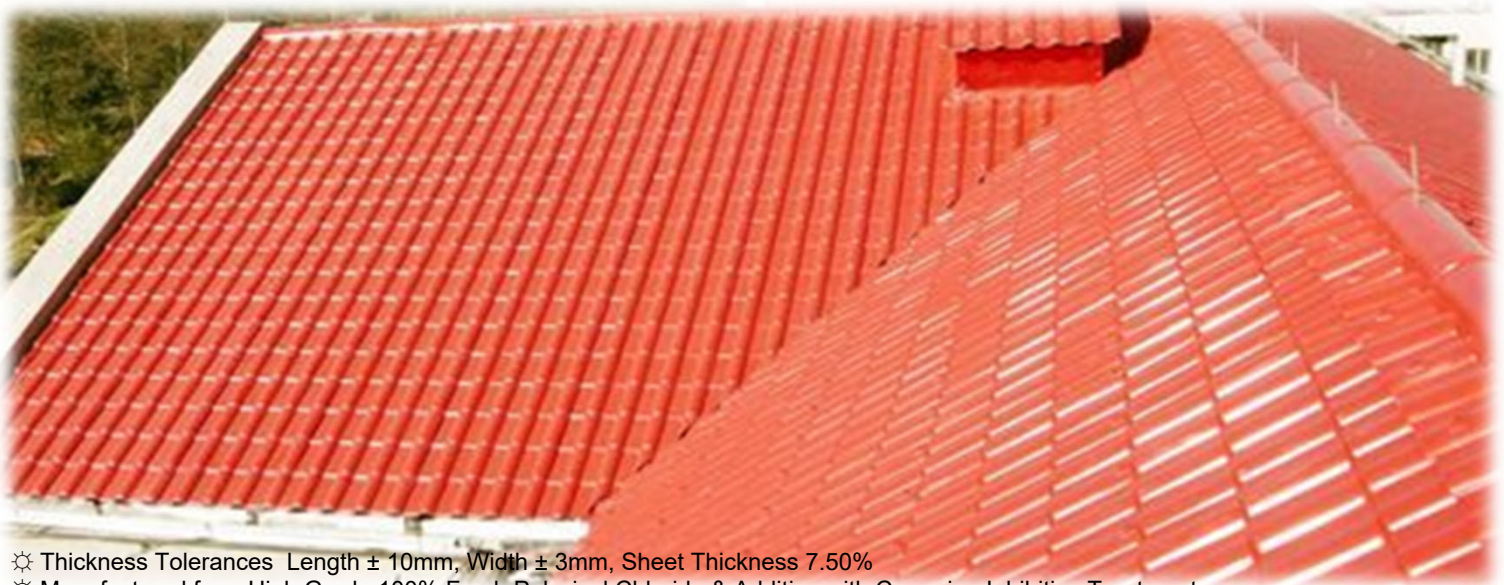
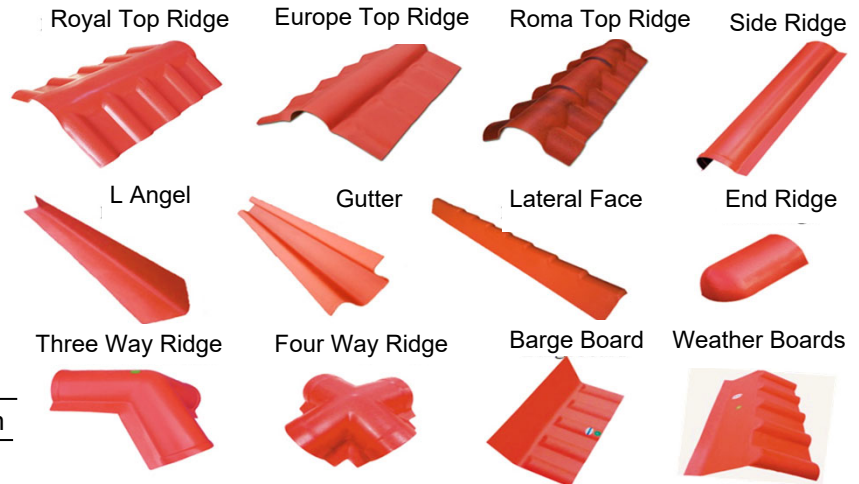
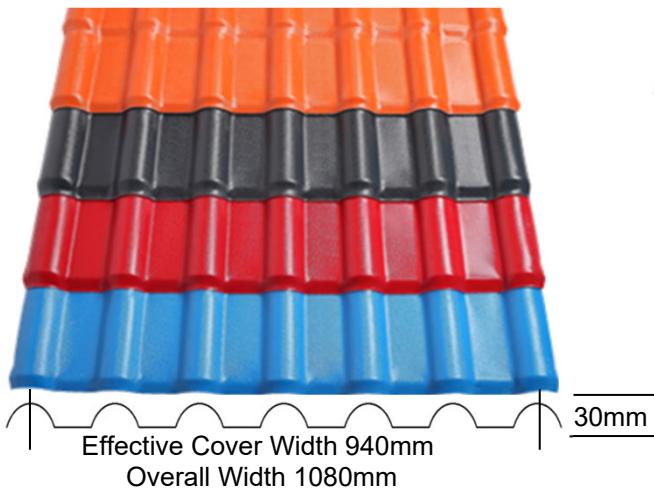
Features

- ☼ Water Proof
- ☼ Long Life Span
- ☼ Self-clean
- ☼ Flame Retardant
- ☼ Fast Installation
- ☼ Corrosion Proof
- ☼ Heat & Sound Insulation
- ☼ Environment Friendly And Energy Saving
- ☼ Light Weight
- ☼ Impact Resistance And Low Temperature Resistance
- ☼ Perfect Color Quality and Durability Color Degradation

LAUNCHING SOON

ASA Materials Properties

- ☼ Tensile Strength : $35.0 - 50.5$ MPa.
- ☼ Tensile Modulus : $1,786 - 2,468$ MPa.
- ☼ Elongation at Break : 25 to 40%
- ☼ Elongation at Yield : $\approx 5.01\%$
- ☼ Flexural Strength : $38.6 - 78.6$ MPa.
- ☼ Flexural Modulus : $1,413 - 2,606$ MPa
- ☼ Glass Transition Temp : $\approx 112^\circ\text{C}$.
- ☼ Heat Deflection Temp : (1.8 MPa):



- ☼ Thickness Tolerances Length ± 10 mm, Width ± 3 mm, Sheet Thickness 7.50%
- ☼ Manufactured from High Grade 100% Fresh Polyvinyl Chloride & Additive with Corrosion Inhibitive Treatment
- ☼ EK Ecoline Industrial Roofing Warranty up to 20 years. (Term & Conditions Apply)

EK Ecoline Colours Chart



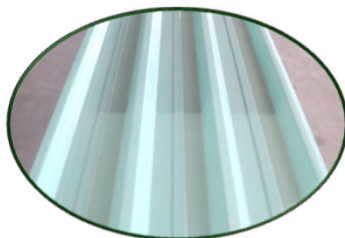
100% Peace of Mind.
There's No Better Roof.
EK Ecoline Roofing System.
The Best Solar Roofs In This Era !



EK Ecoline uPVC (SL) Roofing Sheet



EK Ecoline (Translucent) Skylight Nano Colours Roof Series

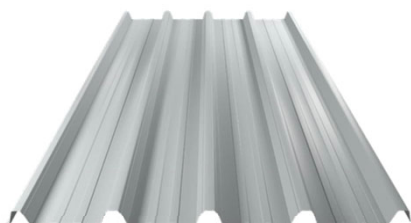


EK Nanogreen

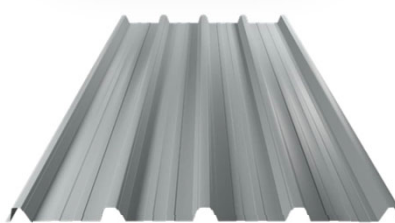


EK Nanowhite

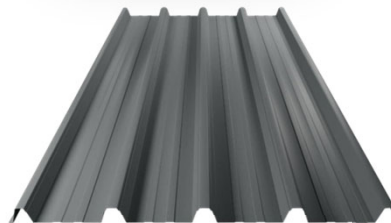
EK Ecoline Opaque Colours Roof Series



EK Crystal Grey 25



EK Crystal Grey 50



EK Crystal Grey 75



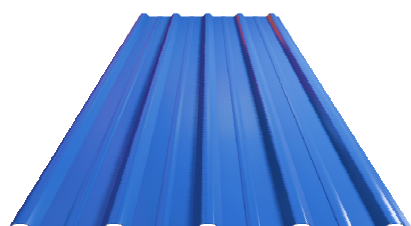
EK Crystal Beige 50



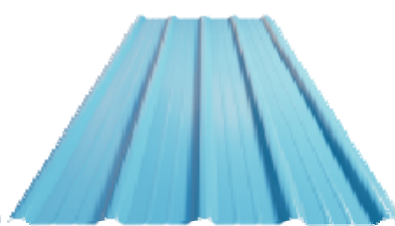
EK Crystal Beige 88



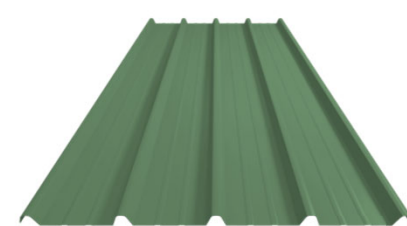
EK Crystal Grey 90



EK Wira Blue 50



EK Sky Blue 25



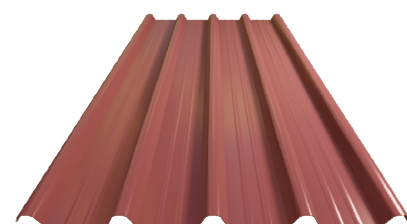
EK Comfort Green 33



EK Marine Blue 68



EK Marine Blue 38



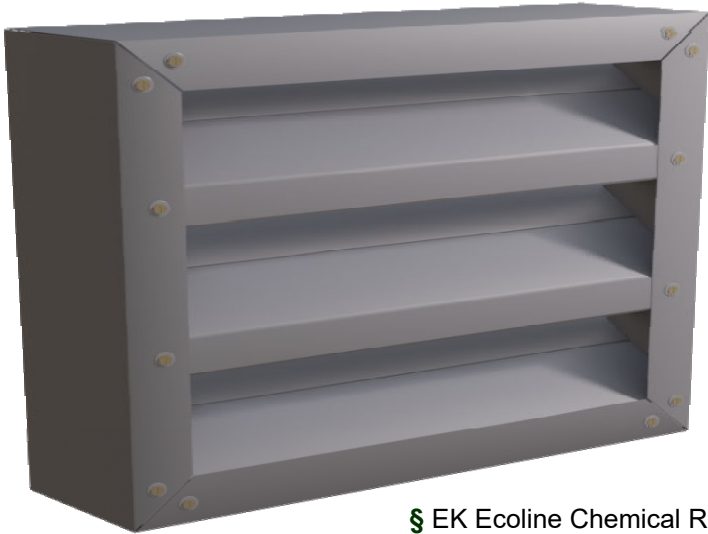
EK Crystal Ruby Red

- ⚙️ *Premium Powder Colours Pigments Selection*
- ⚙️ *The colours shows in this colour chart are as close as possible to the actual roof colours as per modern printing allow.*
- ⚙️ *EK Ecoline Roofing colours are using Powder Type Colours Pigments may have some colours $\pm$ 3% tolerance for the different batch production.*

EK Ecoline Ventilation Louver



EK Ecoline Chemical Resistant Industrial Fixed Ventilation Louvers System

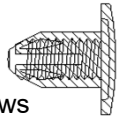


SECTION A - A

§ EK Ecoline Chemical Resistant Industrial Ventilation Fixed Louver

FASTENERS

- § HDPE Binder Screws
- § (Chemical & Weather Resistant)



Louvers Blade

Rain Water Discharge Hole

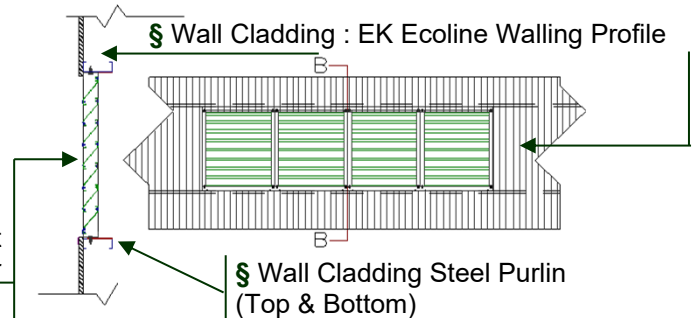
- § Dia 6mm Hole At Every External Bottom
- § Corner Of Louvers To Avoid Any Splash
- § Rainwater From Trap Inside The Louver Flange

General Technical Specifications

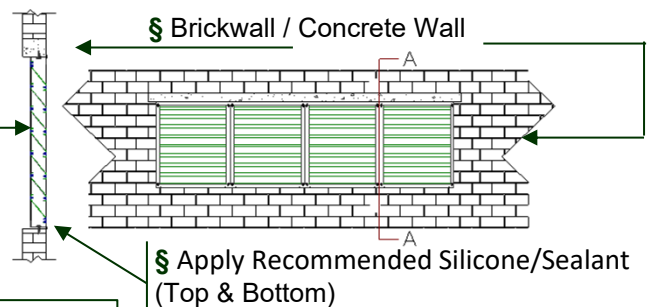
EK Ecoline Fixed Louver

- § Material : Fresh Virgin Poly Vinyl Chloride
- § Louver Flange Width : 102mm
- § Flange Size : 51mm, Thickness +/- 2.20mm
- § Blade Thickness : +/- 1.80mm,
- § Blade Girth : 270mm
- § Louver Blade Span ≈ Maximum 1000mm

LOUVER INSTALLATION AT WALL CLADDING



LOUVER INSTALLATION AT BRICKWALL



Louver Flange



Hot Air Ventilate Out From Operating Zone at Upper Wall



Hot Air Ventilate Out From Operating Zone at Lower Wall

Do You Know ?

What is INDUSTRIAL LOUVER and why you needs it for your Building ?

Stronger :

Industrial Louvers are much stronger than their commercial counterparts. EK Ecoline Made from Twin Screw Extrusion Production Process such as extruded uPVC Channel, Blade & etc. They easily withstand the heavy industrial wear and tear.

Larger : Industrial Louvers are larger than commercial louvers. They also work in conjunction with one another. Dozens of units become placed in a row to create one long wall louver.

More Efficient : With the larger size of the unit, and the higher level of airflow required, industrial louvers are often more efficient than non-industrial units.

EK Ecoline Ventilation Louver



EK Ecoline Chemical Resistant Industrial Fixed Ventilation Louvers System

Louver Model EKIL 55
FA/FF % 55.00
55% Fresh Air Ventilation

Detail of Louver Module for H 1000mm x W 1000mm

ABBREVIATION

Free Area Calculate By Percentage %

FA Free Area in Percentage %

FA % 55.00 %

§ Minimum Distance between the Head & Top Blade	_____	A	150 mm
§ Minimum Distance between Sill & Bottom Blade	_____	B	88 mm
§ Minimum Distance between Adjacent Blades	_____	C	26 mm
§ Louver Blades between Blades (C/C)	_____	D	190 mm
§ Louver Blades Adjustable Gap (First & Last Blades)	_____	E	18 mm
§ Number of Louver Blades	_____	.	5 nos
§ Minimum Distance between Louver Flange	_____		900 mm
§ Actual Louver Width	_____		1000 mm
§ Actual Louver Height	_____		1000 mm
§ Louver Weight	_____		7.50kgs /m ²

Detail of Louver Module for H 1000mm x W 1000mm

ABBREVIATION

Free Area Calculate By Percentage %

FA Free Area in Percentage %

FA % 45.00 %

§ Minimum Distance between the Head & Top Blade	_____	A	117 mm
§ Minimum Distance between Sill & Bottom Blade	_____	B	55 mm
§ Minimum Distance between Adjacent Blades	_____	C	-7 mm
§ Louver Blades between Blades (C/C)	_____	D	157 mm
§ Louver Blades Adjustable Gap (First & Last Blades)	_____	E	05 mm
§ Number of Louver Blades	_____	.	6 nos
§ Minimum Distance between Louver Flange	_____		900 mm
§ Actual Louver Width	_____		1000 mm
§ Actual Louver Height	_____		1000 mm
§ Louver Weight	_____		8.50kgs /m ²

Louver Model EKIL 45
FA/FF % 45.00
45% Fresh Air Ventilation

Detail of Louver Module for H 1000mm x W 1000mm

ABBREVIATION

Free Area Calculate By Percentage %

FA Free Area in Percentage %

FA % 35.00 %

§ Minimum Distance between the Head & Top Blade	_____	A	89 mm
§ Minimum Distance between Sill & Bottom Blade	_____	B	28 mm
§ Minimum Distance between Adjacent Blades	_____	C	-34 mm
§ Louvre Blades between Blades (C/C)	_____	D	130 mm
§ Louvre Blades Adjustable Gap (First & Last Blades)	_____	E	8 mm
§ Number of Louvre Blades	_____	.	7 nos
§ Minimum Distance between Louvres Flange	_____		900 mm
§ Actual Louvres Width	_____		1000 mm
§ Actual Louvres Height	_____		1000 mm
§ Louver Weight	_____		9.50kgs /m ²

Louver Model EKIL 35
FA/FF % 35.00
35% Fresh Air Ventilation



**The only EK Ecoline
Louvers can Provide
This Warranty**

EXTREME DURABILITY

- ☀ Strong Chemical Resistant Properties
- ☀ Superior Lifespan
- ☀ Provides ventilations and protection at the same time
- ☀ Allows airflow to ventilate in & out of warehouse/factory
- ☀ Secured with Corrosion Resistant HDPE Screws
- ☀ Guaranteed not to crack naturally due to long term chemical & weather exposure
- ☀ Can be easily clean using a damp cloth



EK Ecoline Industrial Gutter



EK Ecoline Chemical Resistant Industrial Water Gutter System



The only EK Ecoline Gutter can Provide This Warranty

EK Ecoline Industrial Water Gutter Product Benefits

- ☼ Guaranteed not to corrode
- ☼ Chemical Resistant
- ☼ Superior Waterproofing
- ☼ Ease of Installation
- ☼ Light Weight
- ☼ Extremely Durable
- ☼ Long lasting life span
- ☼ Does not require any maintenance
- ☼ Prevents Fungus growth

EK Ecoline Industrial Water Gutter

Besides the standard design, we also provide custom made design according to the building design layout, and the profiles to suit any Architectural design for the building. EK Ecoline Industrial Water Gutter is Resistant towards corrosion from Rain & Sun and also Excellent for our Harsh Tropical Climate.

GENERAL TECHNICAL & SPECIFICATIONS

- ☼ Standard Length : 3000mm
- ☼ Girth Variations : 610mm, 914mm 1220mm, 1828mm
- ☼ Sheet Thickness : 1.80mm & 2.00 mm
- ☼ Gutter Solid Thickness 1.80mm
- ☼ Girth 610mm = 2.130 kg/meter
- ☼ Girth 914mm = 3.200 kg/meter
- ☼ Girth 1220mm = 4.300 kg/meter ☼
- Girth 1828mm = 6.400 kg/meter
- ☼ Gutter Solid Thickness 2.00mm
- ☼ Girth 610mm = 2.360 kg/meter
- ☼ Girth 914mm = 3.550 kg/meter
- ☼ Girth 1220mm = 4.730 kg/meter ☼
- Girth 1828mm = 7.100 kg/meter



GUTTER BRACKET

- ☼ Bracket Spacing Not Exceeded (610mm)

EK ECOLINE INDUSTRIAL WATER GUTTER

EK Ecoline Industrial Water Gutter is resistant to both rotting and rusting, which makes overall maintenance much easier. EK Ecoline Industrial Water Gutter rain gutters are very simple to install, which is why many do-it-yourselfers like them. This will also reduce installation costs if you have someone else install the gutters. This material will quietly move water away from your factory, but steel is fairly loud, rusty and not durable and sometimes annoying.

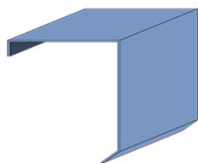
EK Ecoline Roofing Accessories



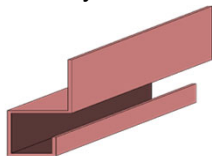
EK Ecoline Chemical Resistant Industrial Integrated Roofing Accessories System

- ☼ Standard Length : 3000mm
- ☼ Girth Variations : 305mm, 610mm, 914mm 1220mm
- ☼ Standard Sheet Thickness : 1.50mm

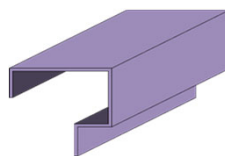
Side End Trim



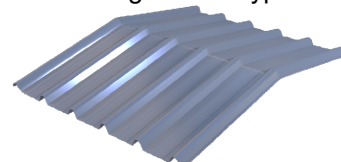
Masonry Trim



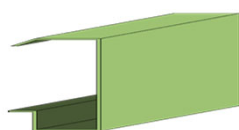
Fascia Capping



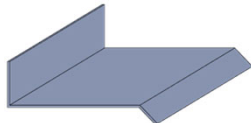
Superior Ridge Capping
Roofing Profile Type



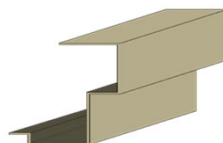
Edge Capping



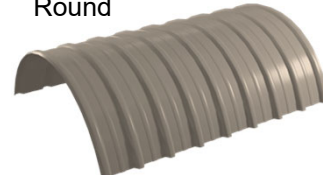
Wall Flashing



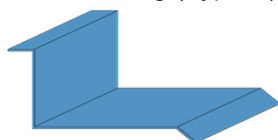
Eave Trim



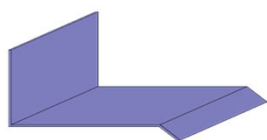
Smooth Curve 180°
Round



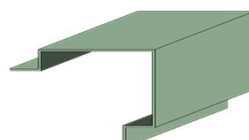
Wall Flashing (Type A)



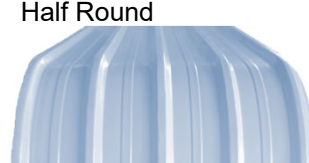
Wall Flashing (Type B)



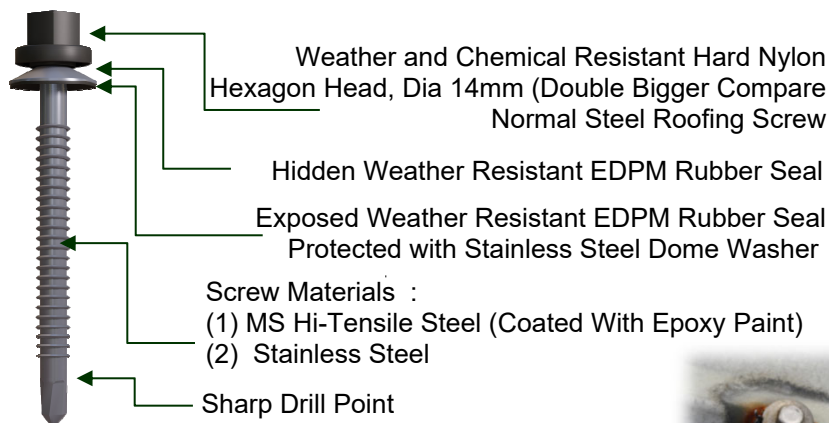
Corner Capping



Smooth Curve 90°
Half Round



EK Ecoline Industrial Roofing Screw The Chemical Resistant Roofing Screw "Is Your Right Choice"



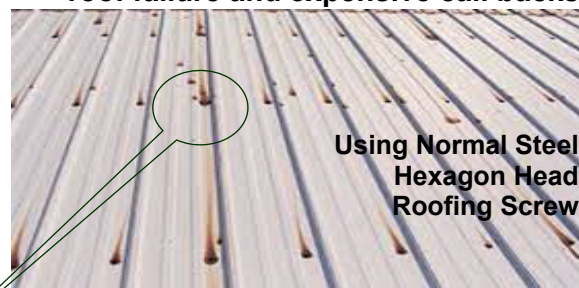
GENERAL TECHNICAL & SPECIFICATIONS

STAINLESS STEEL

Stainless Steel Hexagonal Nylon Head Fastener
Material Grade: Alloy 410 (UNS S41000)
Ultimate Tensile Strength: 510Mpa (74,000 psi)
Yield Strength (0.2% Offset): 290Mpa (42,000 psi)
Elongation at Break: 34%
Hardness (max.): 96 Rb



EK ® Corrosion Warranty The EK Ecoline ® Corrosion Warranty Gives You Peace of Mind against screw damage, roof failure and expensive call backs

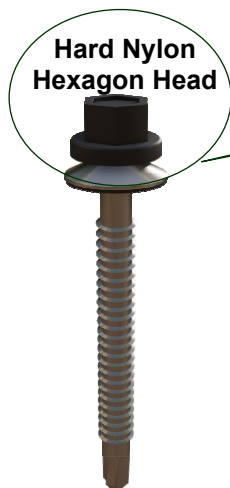


Mild Steel Hexagon Head was very fast corrode and rusty will damage the roofs

The Best Roofing Fasteners Solutions
only from EK Ecoline.
Quality Proven Since from 2005



Hard Nylon
Hexagon Head



MILD STEEL

Mild Steel Hexagonal Nylon Head Fastener
Material Grade: AISI 1022 Steel
Ultimate Tensile Strength: 380Mpa (55,100 psi)
Yield Strength (0.2% Offset): 205Mpa (29,700 psi)
Elongation at Break: 25%
Hardness (max.): 111 Rb

EK Ecoline Product Specialty



EK Ecoline Re-Roofing System EK Ecoline Durability Industrial Door System

Thinking Out of The Box

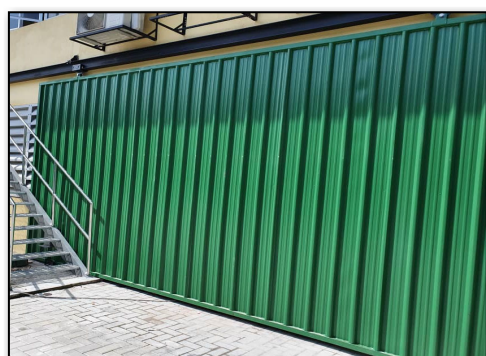
Providing permanent solution for factory with the most effective solution of not replacing the whole roofing area which will cause shutdown of operation and high cost of replacement.

EK Ecoline Re-roofing Systems provide a cost efficient solution without defecting the operation of the factory and benefits factory from further sound-proofing and better heat insulation



EK Ecoline Heavy Duty (Light Weight) Industrial Door System

We offer superior designs and engineering processes that enhance the functionality, durability and life of our products. All corrosion resistant doors utilize premium materials and manufacturing methods ensuring that every corrosion resistant door system can withstand highly corrosive environments.



EK Ecoline Re-Roofing System



Product Application

- ☼ Chemical Resistant
- ☼ Anti-Corrosion
- ☼ Permanent Protection Membrane
- ☼ Abrasion Resistant
- ☼ Seals & Prevents Cracks
- ☼ Fungus Resistant
- ☼ Environmentally Friendly
- ☼ Zero VOCs, Zero Solvent
- ☼ Custom Colours Available

Benefits of EK Ecoline Industrial Ceiling and Internal Partition Wall



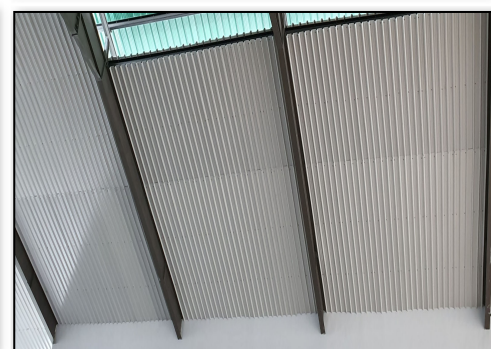
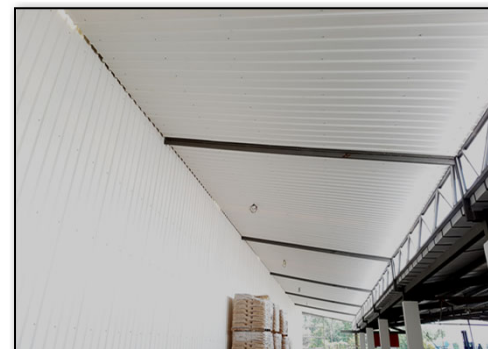
- ☼ Clutters of mechanical systems can be easily hidden inside the space in between the external & internal covering
- ☼ Provide energy efficiency by acting as an double layer insulation with double to effectiveness in providing insulation for the factory. Eliminating the cost of additional heating and/or cooling of plant.
- ☼ Provide superior sound proofing properties for the industries by doubling the naturally noise dampening material
- ☼ Prevents dust build-up on the steel structures in between, minimizing factory structure cleaning cycle by a great scale, increasing production & operation performance.
- ☼ Prevents corrosive fertilizers from sitting on the structure in between the covering, Hence, minimising the corrosion rate, maximising structure protection. At a cost effective way.
- ☼ Prevents direct contact of moisture & chemical from the steel structure within and prevent the cost of repainting of steel structure effectively.

Additional Top Hat Purlin



Preferred Application

- ☼ Fertilizers Compaction Plant
- ☼ Dust borne warehouse
- ☼ Chemical Storage Area
- ☼ Closed Poultry Houses
- ☼ Packaging Rooms
- ☼ Factory Ceiling
- ☼ Chemical Splash Area
- ☼ Aesthetic Improvement



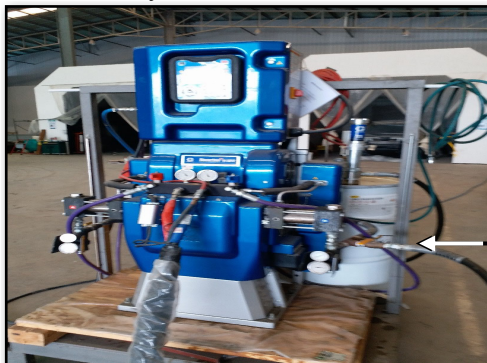
EK Ecoline Product Specialty



EK Ecoline Protective Industrial Coating " EKPC "

New Advance Technology Spray Coating Equipment

Painting Structure in a Large Scale with Technological Advanced Airless Spray Systems which is able to pump most type of Paint at High Pressure through a hose and out in a tiny hole, resulting in spraying paint evenly and efficiently across the surface



☀ PREMIUM SOLUTION ☀ COST EFFICIENCY

Why Needs Additional Protective Coating ???

☀ Durable, Tough, Abrasion Resistant, and Provides Cathodic (Sacrificial) Protection to any Small Damaged Areas Where The Steel Substrate is Exposed.

Additional Coated Purlin (Local Delivery)

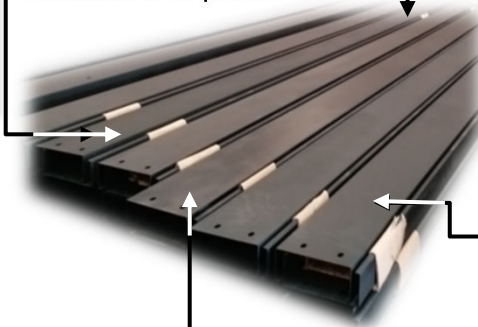


Additional Coated Purlin (Export to Overseas)



Gavanizer Purlin Coating Service

The only "C" Purlin coating services available in Malaysia. We provide the best solution for your needs, from chemical-resistant products to spray paint coating services all in one stop. Choice of paint is flexible as to client preference.



Site Installation



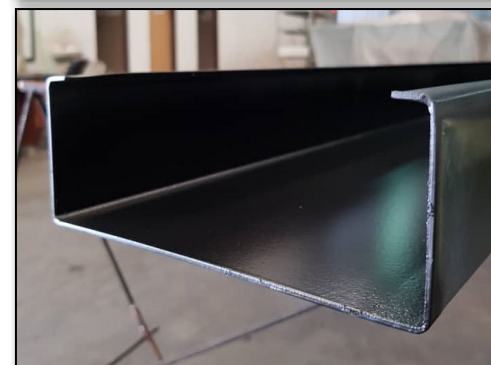
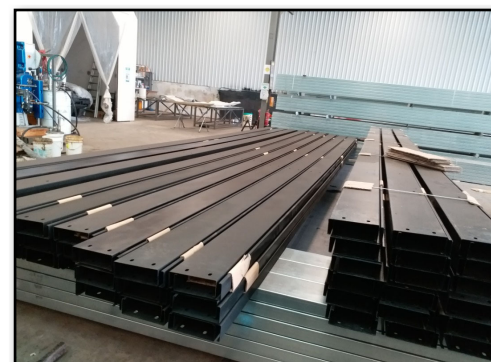
Benefits of EK Ecoline Industrial Protective Coating System (EKPC)

" EKPC " The Best Solution Protection on the Galvanizer Roofs Purlin and MS Steel Structural, with " EKPC " Coating longer Life Expectancy, Atleast 3 to 4 times. (Cost Saving on Materials, Time Saving & Labour Cost) Extreme Protection Coating using New Technology Coating System that is Applicable for many Application like Extreme Chemical Resistant Coating, High Heat (High Tempreature) Environment

Suitable Applications For :-

- ☀ Processing Plant
- ☀ Port Terminal
- ☀ Fertilizer Plant
- ☀ Aircraft Hangar
- ☀ Chemicals Plant
- ☀ Oil & Gas Terminal
- ☀ Coastal Resorts
- ☀ And etc.....

**Steel Structural Coated with
"EKPC" Protective Industrial
Coating. For Better Corrosion
Protection and Longer-Lasting**



EK Ecoline Product Specialty



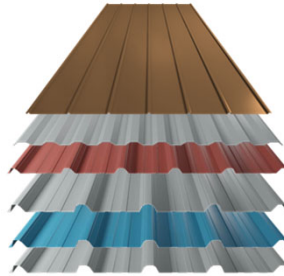
EK Ecoline Hoarding System

Construction Hoarding Guidelines

The hoarding should not be less than 1800mm in height and continuous down to the ground. It should be properly designed and constructed in accordance to the specification of the local authority and should be maintained in good condition.



Green Recycle



Construction Site Temporary Hoarding

Hoarding for construction sites Hoarding is a temporary structure of solid construction, erected around the perimeter of construction sites to shield them from view and prevent unauthorised access. It is an important component in ensuring health and safety, for site workers, visitors and the general public and can also be part of a site security system to prevent theft or vandalism.



EK Ecoline Temporary Hoarding & Permanent Fence

Have been widely used in the market. The prominent anti-corrosion performance of it, is suitable for the applications in coastal areas with serious salt fog corrosion and the areas with serious pollution, especially in chemical industries.



**EK Ecoline Permanent
Perimeter Fence
Elegance Outlook with
Cost Efficiency and
Effectiveness**

EK Ecoline Sliding Gate System " EKSG " (Light Weight & Heavy Duty)



Light
Weight &
Strong



What Are Sliding Gates?

EK Ecoline Sliding Gate System " EKSG " Are Using Slot In Concept Strong and Durability and Safe More Space Gate Storage with Huge Wide

☀ Sliding gates are similar to swing gates, in that they can open and close. However, a sliding gate moves in only one direction. It can slide back and forth if it is placed in a track



Benefits of Sliding Gates

Because they slide along the fence-line, this style of gate takes up minimal space. It also allows vehicles and pedestrians to access the property safely and easily. Sliding gates are ideal in situations where the access point is particularly wide.

Single Material Equals Single Installation

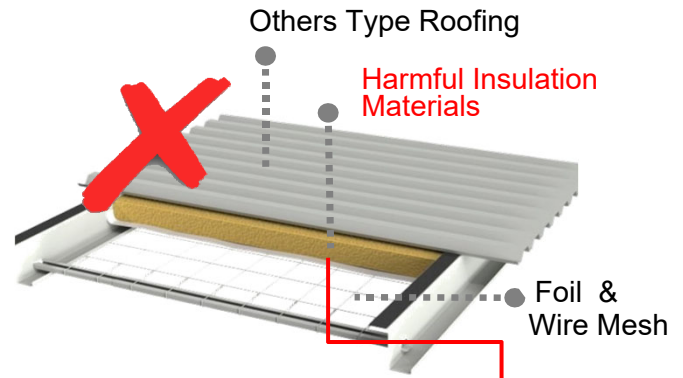
EK Ecoline Industrial Roofing & Accessories Systems achieve some of the highest solar heat reflectance & emittance measurements. Solar heat reflectance of up to 83% and emit a minimum 70% of solar radiation of the building, eliminating the usage of Fibreglass Insulation, Rockwool Insulation, Aluminium Foils, & Chicken wire.

Thus, eliminating the unnecessary cost of insulation material which will eventually eliminate cost of labour of installation for the insulation.

Elimination of Harmful Insulation Materials

When working with insulation materials, the small fibres may be swallowed or inhaled. The micro particles may remain in your lungs for long periods of time. Eventually leading to health problems like cancer. Since fiberglass first entered the market in the 1930s, it is the most widely used insulating material in the world. Which is why there are concerns that it may cause cancer and needs to be taken seriously. Many people know the pain that often comes from working with fiberglass.

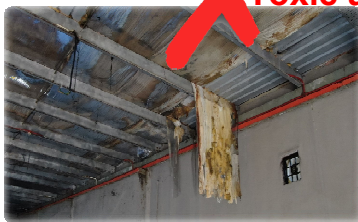
Because it is made up of very tiny sharp particles, fiberglass often give you a very painful rash if it comes into contact with your skin. This can be very dangerous if it touches your face or eyes. Fiberglass is also known to cause problems with breathing while it is being handled, thus necessitating the use of masks, gloves, and protective eye wear. This material also has a tendency to settle and sink down into the wall over time, reducing the amount of protection that it provides.



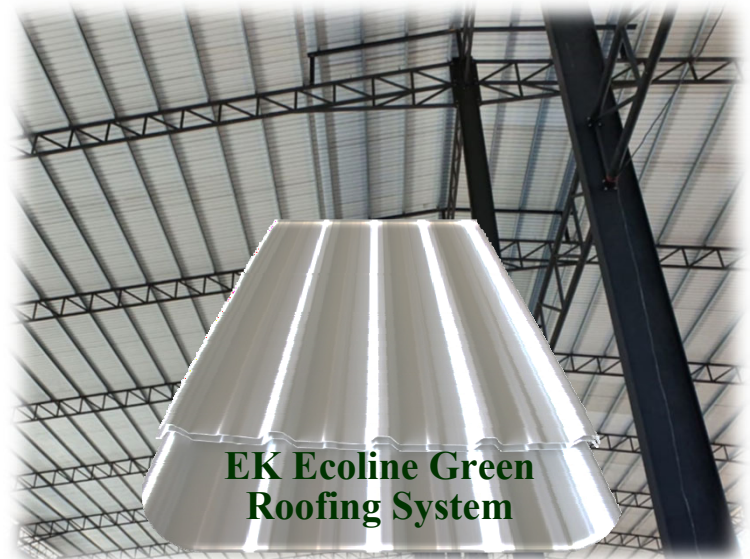
Toxic and Dangerous

Most insulation is generally toxic and dangerous, especially when you're exposed to it for a long time. Fortunately, insulation is installed in ways that minimize exposure to these risks. However, improper insulation can cause irritation, pain, or severe long-term effects

Eco-Friendly Roofing Materials from EK Ecoline Roofing System. Bring Unexpected Benefits for your Needssss !



Toxic and Dangerous



**EK Ecoline Green
Roofing System**

Products Advantages

Protection & Easy of Access

Clutter of ducts, wiring, network cables, plumbing and other mechanical systems can be easily hidden & protected inside the gap in between, sandwiching the mechanical systems inside and yet remaining accessible for repairs whenever required.



Environmentally Friendly

Our products can be easily recycle, reused and remanufactured into other uPVC products without complication. Thus, marking the start of reducing carbon footprint for the environment starts here



Superior Sound Proofing

Naturally found the physical properties of our products, Soundwaves are absorbed which results in low noise transmission and low noise reflectance by the acoustic properties. This helps to provide a quite & gentle environment for operation, minimizing distraction from the outside.

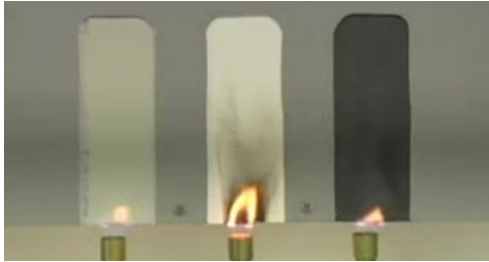


Energy Efficient

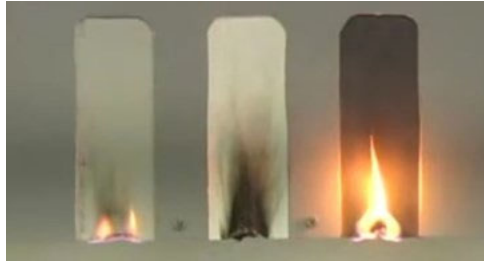
Acting as an element of insulation which helps to reducing the cost of electrical bill for unnecessary cooling & heating of plant. The high solar heat reflective index of our products helps greatly in optimizing the temperature within and provides a good insulation, energy efficiently.



The Flammability Test (Further Details Refer SIRIM Tested Report - BS 8414 Part 1 : 2020)



TPO uPVC EPDM
Start of Burning



TPO uPVC EPDM
After 30 Seconds



TPO uPVC EPDM
After 60 Seconds

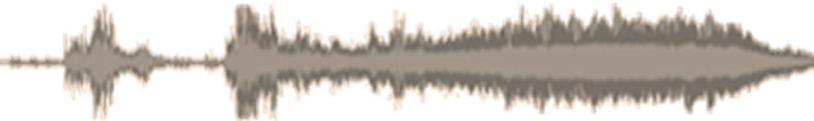
No Roof Are Created Equal

With the rise of competition in the market that is beyond our control, we are committed to provide the market with the highest quality product. Product of the same material consists of different quality & characteristic. The base material used for making of the product may be the same, but the performance of the end product will never be the same.

The Noise Test Evaluation (Further Details Refer SIRIM Tested Report - ISO 1014 - 2 : 2010) Part 2 : Measurement of Airbone Sound Insulation



Object (A) uPVC



Object (B) Metal

Experiment was conducted during the same weather conditions and similar noise collection Picture shows end results of the test & is considered part evaluation of experiment devices.

Experiment end results

Subject (A) : Resulted in 50% less noise

Subject (B) : Produces twice as much noise

(This tested according our in-house R & D Div)

The Physical Comparison



No Roof Are Created Equal

With the rise of competition in the market that is beyond our control, we are committed to provide the market with the highest quality product. Product of the same material consists of different quality & characteristic. The base material used for making of the product may be the same, but the performance of the end product will never be the same.

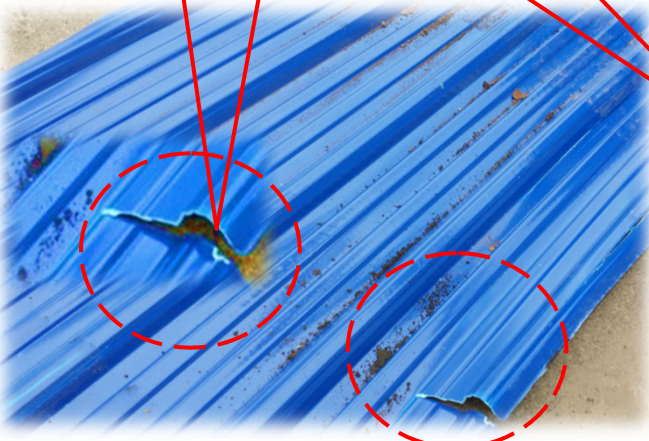
Our strength is our science.

The latest technology and strict control of our manufacturing processes, ensure

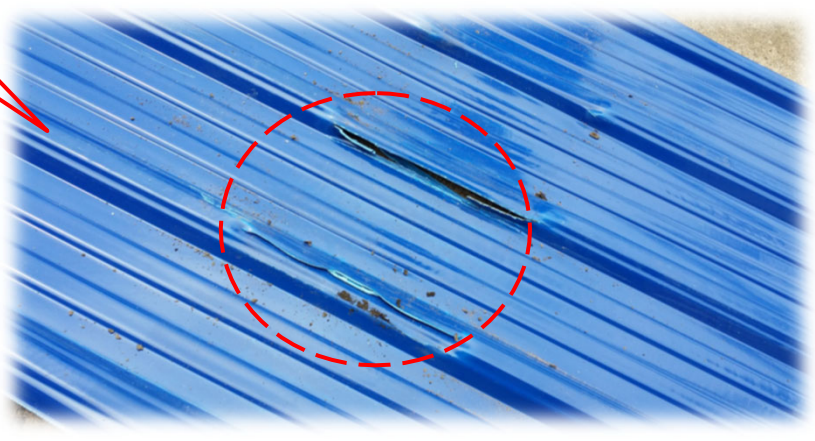
EXCELLENCE

**Heavy Damaged
(Cracking) Due to
Impact**

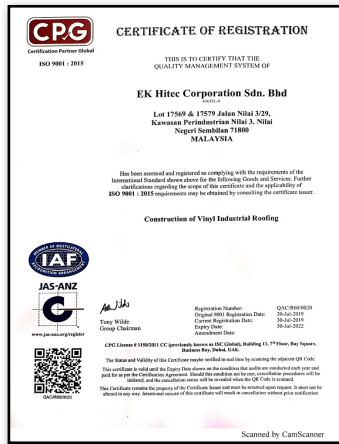
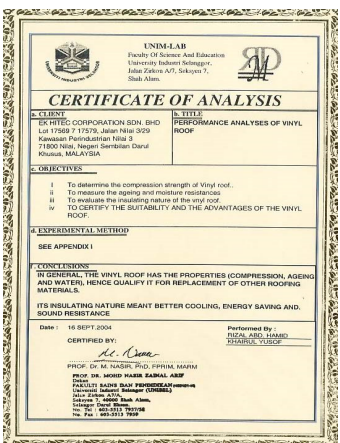
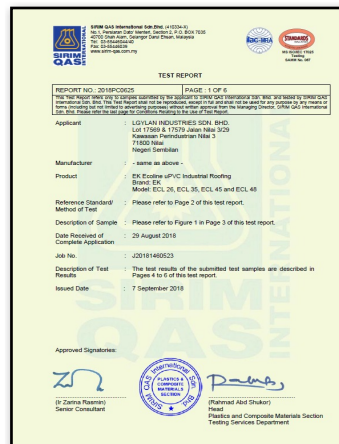
**Others Multi
Layer Industrial
Roofing Sheet**



**EK Ecoline uPVC
(SL) Roofing
Sheet**



EK Ecoline Products Accreditation Quality Proven



EK Ecoline Cool Roof



EK Ecoline Green Roofs

The Chemistry of EK Ecoline Industrial Roofing Systems

Products Advantages

Fire Retardant



Commonly used material to put out fire, the natural properties of our products does not support fire combustion, stops surface spread of fire and reducing the intensity of flame. It self-extinguish when the fire source is put out..

- ☼ Clutters of mechanical systems can be easily hidden inside the space in between the external & internal covering
- ☼ Provide energy efficiency by acting as an double layer insulation with double to effectiveness in providing insulation for the factory. Eliminating the cost of additional heating and/or cooling of plant.
- ☼ Provide superior sound-proofing properties for the industries by doubling the naturally noise dampening material
- ☼ Prevents dust build-up on the steel structures in between, minimizing factory structure cleaning cycle by a great scale increasing production & operation performance.
- ☼ Prevents corrosive fertilizers from sitting on the structure in between the covering. Hence, minimising the corrosion rate, maximising structure protection. At a cost effective way.
- ☼ Prevents direct contact of moisture & chemical from the steel structure within and prevent the cost

Moisture Resistant



Chemically stable molecules of EK Ecoline Industrial Roofing System. Reaction of Chemical due to moisture is virtually impossible and provides strong resistant from fungus & bacteria growth. Specifically known as - Anti-Microbial

Why Reflective Surfaces Matters ?

Reflective surface are a form of geoengineering. It reduces the amount of heat transmitted into the building. Resulting in the decrease or eliminate the need for cooling systems, which in turn provides saving electrical and maintenance cost.

EK Ecoline Industrial Roofing & Accessories Systems consists of reflective surfaces which delivers high solar reflectance and high thermal emittance. The lighter the colour, the better the heat reflectance and thermal emittance. Therefore, the most recommended colour of our product is Light Grey. Light Grey colour provides a clean, maintenance free & energy efficient when installed.

The Chemistry

When designing an energy efficient industrial grade roofing systems, we are committed to pay serious attention to every aspect details. Taking into consideration of 3 main benefits to be delivered simultaneously as follows :

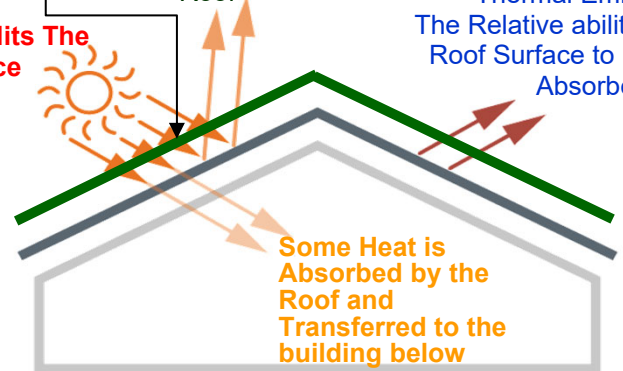
- ☼ High Solar Reflectance - Ability to reflect the visible, infrared and ultraviolet wavelengths from the sun. Value of 0 indicates the surface absorbs all solar radiation and a value of 1 represent total reflectivity.
- ☼ High Thermal Emissivity - Ability to radiate absorbed and/or non-reflected solar heat energy. value of 0 indicates the surface absorbs all solar radiation and a value of 1 represent total reflectivity.
- ☼ High Insulate Properties - Ability to reduce heat transfer between objects in range of radiative influence.

EK Ecoline Industrial Roofing Sheets

The Sun's Radiation Hits The Roof Surface

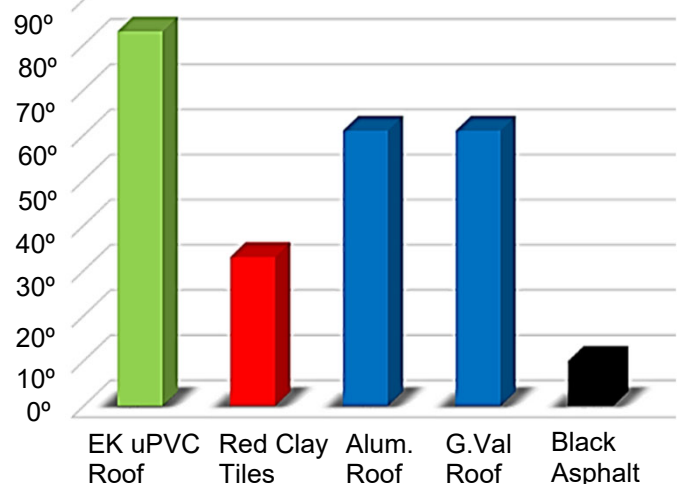
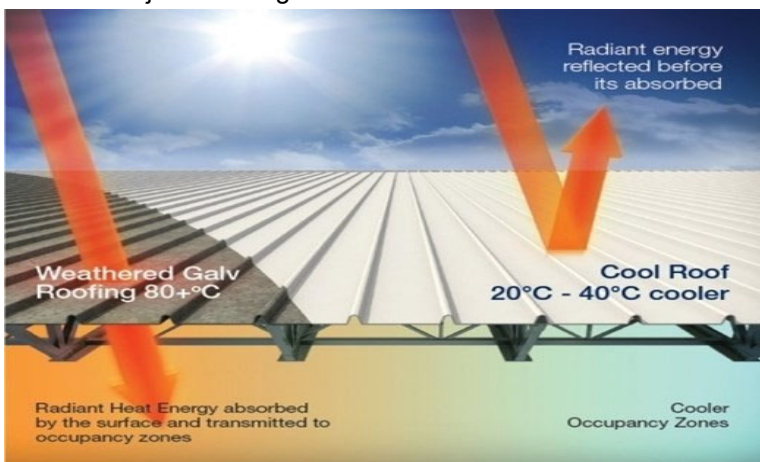
Solar Reflectance : The Fraction of Solar Energy that is Reflected by the Roof

Thermal Emittance : The Relative ability of the Roof Surface to Radiate Absorbed Heat



Indicative Values for Common Roofing Material Chart

Roofing Materials	Solar Reflectance Index	Thermal Emittance Index
EK Ecoline Roof	0.83	0.92
Red Clay Tiles	0.33	0.90
Aluminium Roof	0.61	0.25
Galvanized Roof	0.61	0.04
Red Concrete Tile	0.18	0.91
White Concrete Tile	0.73	0.90
White Asphalt Roof	0.21	0.91
Black Asphalt Roof	0.10	0.90

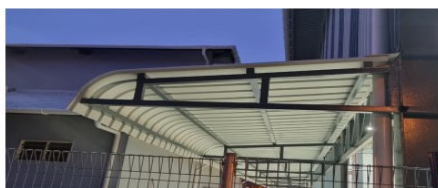
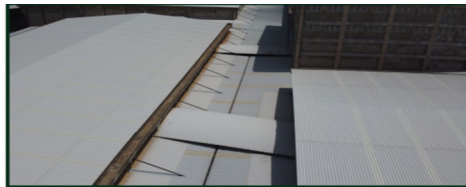


EK Ecoline Job References

Malaysia Government & Private Sector Project References



*A picture is worth a
thousand words!*



Quality Proven

**Malaysia Government &
Private Sector
Project References**



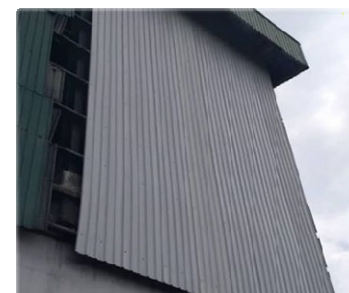
THE STEEL & ALUMINIUM SMELTING & FERTILIZER INDUSTRIES



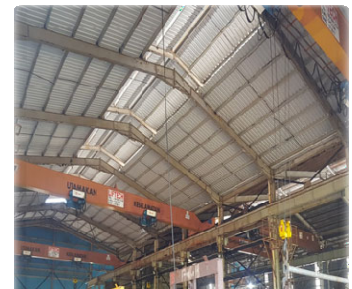
THE RUBBER GLOVES INDUSTRIES



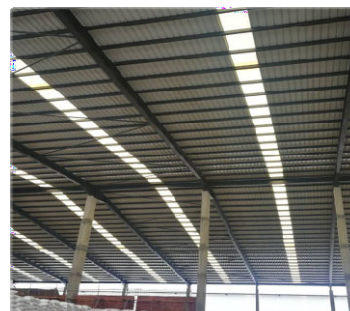
THE CHEMICALS INDUSTRIES



THE HOT DIPPED GALVANIZED INDUSTRIES



THE TRANSLUCENT (SKYLIGHT) SERIES



EK Ecoline Installation



EK Ecoline Roofing / Walling Installation Guide



EK Ecoline uPVC (SL) Roofing Sheet

Roofing Installation Guide (5 Ribs Profile)

Installation of Roofing :

Profile ECL 55, ECL 48, ECL 45, ECL 42,
Screw : EK Ecoline SD ACRF 75, length 75mm
(Screw for side lapping and length joining part ,
screw length 85-90mm (according the rib high)

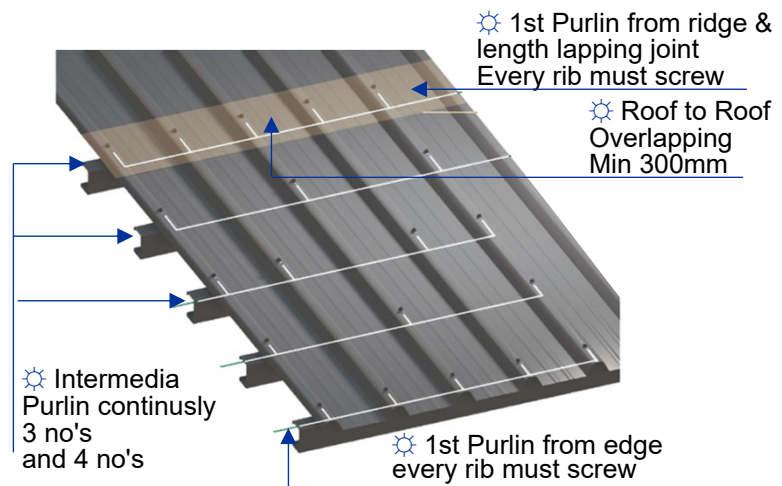
Installation of Ridge Capping :

Every rib must screw accordingly

Installation of Roof Length Lapping Joint :

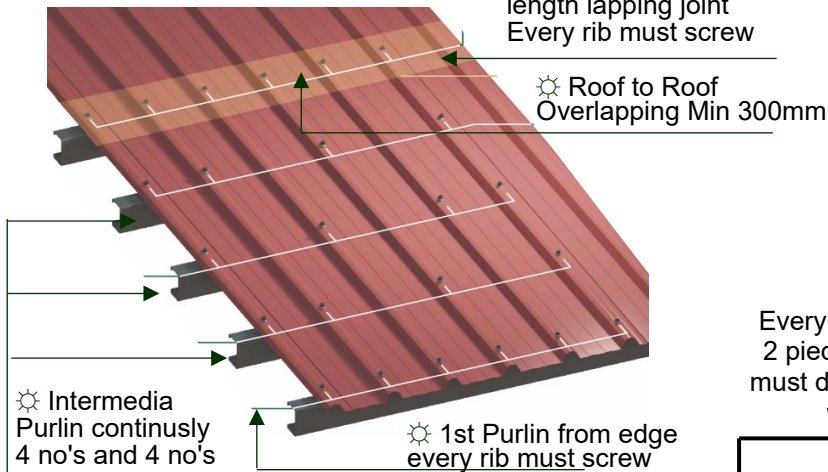
Every rib must screw accordingly. Roof length more than
2 piece lapping joint, the second (2) piece from the ridge
must drill Oblong hole ($\varnothing \pm 8\text{mm} \times 20\text{mm}$) for (hot & cool)
weather change for expansion movement purpose.

Quantity of Screw : ± 3 no's screws m^2



Profile ECL, 55 , 48, 42. 27 & 26 (5 Ribs)

Profile ECL, 38 , 35, 30 (6 Ribs)



Roofing Installation Guide (6 Ribs Profile)

Installation of Roofing :

Profile ECL 38, ECL 35, ECL 30
Screw : EK Ecoline SD ACRF 65, length 65mm
(Screw for side lapping and length joining part ,
screw length 75mm (according the rib high)

Installation of Ridge Capping :

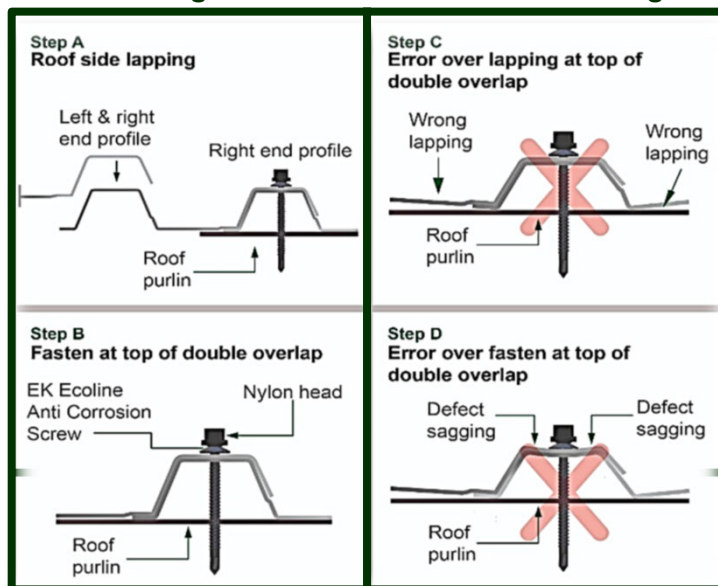
Every rib must screw accordingly

Installation of Roof Length Lapping Joint :

Every rib must screw accordingly. Roof length more than
2 piece lapping joint, the second (2) piece from the ridge
must drill Oblong hole ($\varnothing \pm 8\text{mm} \times 20\text{mm}$) for (hot & cool)
weather change for expansion movement purpose.

Quantity of Screw : ± 4 no's screws m^2

CREST Fixing of EK Ecoline Industrial Roofing



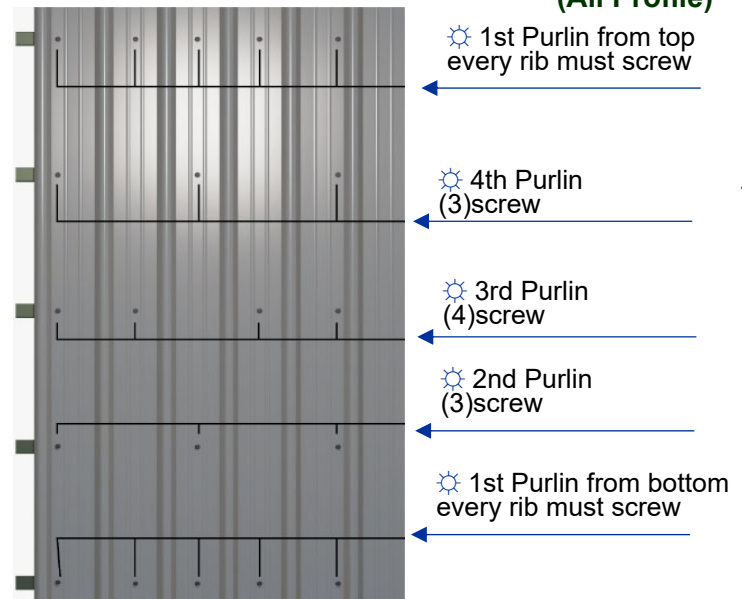
IMPORTANT CONCERN

(Phohibited : Screw Over-Tightened)

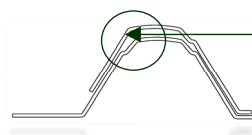
Determination of Roofing Profiles

EK Ecoline Industrial Roofing has a unique pattern on both side
(Left and Right). Determination of left or right side of the roof can
be determined by the figure provided below:

Wall Cladding Installation Guide (All Profile)



Interlocking System (Anti Siphon) Water Line



EK Ecoline Roofing System
The Leading Manufacturer
Green Roofing Technology

EK Roofing System For All !!
Industrial Roofing System &
Integrated Roofs Accessories
Residential ASA Roma Roofing Tiles

The Green Solar Roofs From EK Ecoline *" Is Your Right Choices "*

EK

Perfect Matching Together with Green Power Energy for Durability, Longer - Lasting & Cost Savings
*with EK Ecoline Green Products Up to **20** Years Warranty*



Fire Retardant



Cool Roof



Less Noise



Thermal Efficiency



Premium Quality Products



Harsh Environments



Termite (Rat) Proof



Rust Materials



Weather Resistance



Corrosive Resistance



High Solar Heat Reflection



EK Ecoline Brouchure (Version 202207)