

BETTER

TRANSPARENT LIVING





SHINKOLITE is premium grade acrylic sheets from a collaborative achievement between SCG Chemicals Public Company Limited and Mitsubishi Chemical Corporation, Japan – pioneers in technological advancement in chemical manufacturing and world-class acrylic sheets.

The acrylic sheet is designed to cater to the requirements of architects, project designers, and everyday users. It matches well with contemporary living, making things feel familiar and closer to nature.

SHINKOLITE has a wide range of compatible acrylic sheets covering 4 groups.

- Building Materials : roof work, awnings, railings
- Facade Decoration : for Interior work, wall decoration
- Advertising : Advertising work, sales promotion media display
- Sanitary products for sanitary ware

SHINKOLITE acrylic sheets contain exceptional properties due to their top-notch quality material (Virgin MMA) and advanced production techniques - continuous casting sheet, to ensure a consistent, slim sheet that's clear, strong, and beautiful – just like modern glass sheets but it's 50%* lighter in the wider and longer than regular acrylic sheets which maintain its durability and stunning looks. This breakthrough opens up new possibilities for using and designing with it.

* Lighter weight than glass sheets in the same thickness





SHINKOLITE PREMIUM ACRYLIC SHEETS

Embracing the finest premium option enhances your home's beauty and modernity, avoiding any dull or uncomfortable feelings. It effortlessly brings the essence of nature indoors, adding vibrancy to your living space.

6 SERIES PRIME | HEAT CUT | SUPERIOR | NATURE | SHADE | GRAND



NEW
PRODUCT

GRAND SERIES

EXTRA STRENGTH AND DURABILITY

The 10 mm-thick sheet is over 2.5 times stronger than tempered glass and 10 times stronger than float glass—durable and ideal for large-scale applications.

EXCLUSIVE ACRYLIC ROOFING

The only acrylic roofing system that can be installed in fully enclosed, four-sided spaces.

EXTRA WIDE SKYLIGHT

With an extra-wide skylight panel spanning 920 mm without any purlins, the seamless look delivers a modern aesthetic.

HEAT & UV PROTECTION

Blocks 99.4% of UV rays while allowing 90% of natural light through.

SPACIOUS WITHOUT SPACE

Helps make spaces feel more open and airy without increasing the physical area, perfect for small homes or compact spaces, enhancing the sense of comfort and livability.

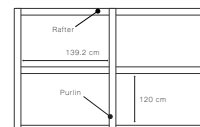
COLOR

■ CLEAR

COLOR	CODE	LIGHT TRANSMISSION (%)	UV CUT (%)
CLEAR	GR-001	90	99. 4

THICKNESS: 10 mm

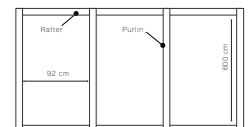
SIZE: 1380 x 3000 | 6000 mm



TYPE 1

SPAN: 139.2 cm

RAFTER: 120 cm



TYPE 2

SPAN: 92 cm

RAFTER: 600 cm



PRIME

SERIES

PREMIUM CHOICE, YOU CAN CHOOSE

Choosing the best premium option includes thermal protection and reduces strong sunlight. This means you get a wider view of the sky than ever before.

CHARACTERISTICS

It makes the area under the roof cooler by about 6 degrees Celsius, keeping the heat away. Reduces infrared heat by 69 - 75%.

* Based on ISO 9050 testing standard

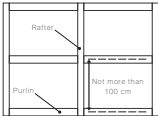
COLOR

- BROWNISH GREEN ■ MODERN GREY

Makes your transparency space beautiful and modern, easy on the eyes, and energy-saving. Needs less lighting and structure, easing design limitations.

COLOR	CODE	LIGHT TRANSMISSION (%)	HEAT CUT (%)	UV CUT (%)
BROWNISH GREEN	PR-562	13	75	99.6
MODERN GREY	PR-N828	14	69	100

THICKNESS: 10 mm
SIZE: 1380 x 3000 | 6000 mm
SPAN: 100 cm



HEAT CUT
Filters light and reduce the temperature by 6 degrees.



PROTECTION
Up to 75% infrared protection.



MODERN
Light opening width extends to 100 cm.



LIGHT WEIGHT
Lightweight, does not affect the structure.



BEST
SELLER

HEAT CUT

SERIES

CUT THE HEAT, CLOSE TO NATURE

Brings transparency while blocking UV rays. A natural feel without worrying about heat. Elevates your home's beauty with premium quality. Easily attached, it seamlessly suits any home style.

CHARACTERISTICS

It makes the area under the roof cooler by about 5 degrees Celsius, keeping the heat away. Reduces infrared heat by 48-59%*, maintaining a comfortable and transparent space.

* Based on ISO 9050 testing standard

COLOR

- MYSTIC GREY

■ NOBLE GREEN

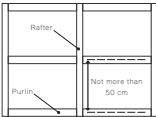
■ CLASSIC BROWN
- MODERN GREY

■ ROYAL BLUE

Transform your transparent space into a beautiful, modern, and soothing area, perfect for every season and any activity.

COLOR	CODE	LIGHT TRANSMISSION (%)	HEAT CUT (%)	UV CUT (%)
MYSTIC GREY	HC-G828	14	60	99.8
MODERN GREY	HC-N828	15	58	99.8
NOBLE GREEN	HC-N590	19	59	99.8
ROYAL BLUE	HC-B703	23	48	99.6
CLASSIC BROWN	HC-570	29	56	99.7

THICKNESS: 6 mm
SIZE: 1380 x 3000 | 4000 | 5000 | 6000 mm
SPAN: 50 cm



HEAT CUT
Filters light and reduce the temperature by 8 degrees.

PROTECTION
Up to 60% infrared protection.

MODERN
Light opening width extends to 50 cm.

LIGHT WEIGHT
Lightweight, does not affect the structure.



NATURE

SERIES

CONNECT TO CLEARER NATURE

Invite the outdoor view with glass-like clarity.
A seamless connection to nature.

CHARACTERISTICS

Fully exposed to natural light, clear like glass, and tough against sun and rain. Great for outdoor design.

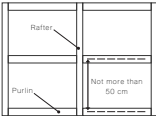
COLOR

- CLEAR

Great for bright places like areas with trees, or where you want a natural and open feel.

COLOR	CODE	LIGHT TRANSMISSION (%)	UV CUT (%)
CLEAR	NT-001	90	98.4

THICKNESS: 6 mm
SIZE: 1380 x 3000 | 4000 | 5000 | 6000 mm
SPAN: 50 cm



LONG LASTING BEAUTY
Attractive, long-lasting, durable in all conditions.



BETTER APPEARANCE
Modern and beautiful, transparent sheet resembles glass.



MODERN
Light opening width extends to 50 cm.



LIGHT WEIGHT
Lightweight, does not affect the structure.



SUPERIOR

SERIES

TRANSPARENT, LIGHT TRANSMISSION QUALITY

Filter strong light for gentle comfort to the eyes.
Offers budget friendly privacy.

CHARACTERISTICS

Stands out with a lovely look that filters light while giving extra privacy, all at an affordable price.

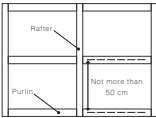
COLOR

- LIGHT BROWN
- FOGGY BROWN
- GLASS FROSTED
- MARINE BLUE

Frosted acrylic maintains brightness under the roof, avoiding dullness and discomfort, while ensuring a pleasant sense of privacy. Ideal for shaded spaces, offering the perfect balance of light.

COLOR	CODE	LIGHT TRANSMISSION (%)	UV CUT (%)
MARINE BLUE	SP-B857	26	99.7
FOGGY BROWN	SP-NB30	45	99.4
GLASS FROSTED	SP-NB00	50	95.7
LIGHT BROWN	SP-NC95	70	99.4

THICKNESS: 6 mm
SIZE: 1380 x 3000 | 4000 | 5000 | 6000 mm
SPAN: 50 cm



LONG LASTING BEAUTY
Attractive, long-lasting, durable in all conditions.



NATURAL LIGHT FILTER
With natural light, the house stays bright



MODERN
Light opening width extends to 50 cm.



LIGHT WEIGHT
Lightweight, does not affect the structure.



SHADE

SERIES

SHIELD YOUR SPACE, SHADE YOUR HOME

A significant aid in crafting an enchanting home ambiance. Ready to provide shelter and tranquility to our living space.

CHARACTERISTICS

Heat Reflection 50%

More than 50% heat reflection (NIR I Solar)

Heat Reduction 10°

Lowers the temperature under the roof by around 10 degrees Celsius.

Long Lasting Beauty

Beautiful, long-lasting, and durable in all conditions. Proven by the QUV Test machine.

COLOR

- PEARL WHITE

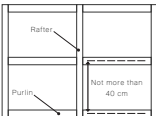
The SHADE SERIES makes natural shades from incoming light, helping to inspire creative works and adding a special touch, creating boundless imagination with unique design.

COLOR	CODE	LIGHT TRANSMISSION (%)	HEAT CUT (%)	UV CUT (%)
PEARL WHITE	430S	20	50	100

THICKNESS: 4 mm

SIZE: 1380 x 3000 | 4000 | 5000 | 6000 mm

SPAN: 40 cm



LONG LASTING BEAUTY

Attractive, long-lasting, durable in all conditions.



HEAT REDUCTION

Lowers attic temperature by around 10 degrees Celsius.



HEAT REFLECTION

Reflects over 50% of the



LIGHT WEIGHT

Lightweight, does not affect the structure.

Installation Structure For Shinkolite Roof



A TYPE

Pull Arm Structure

Pull Arm Set

Steel Box Rafters : 4" x 2" x 2.3 thk.mm

Steel Box Purlin : 1" x 1" x 2.3 thk.mm

Overhang Dimension : Up to 3 Meters

*If the wall is not precast and is connected to the beam or column.



B TYPE

Flat Bar Structure

Flat Bar Set, size 4", thickness 9 mm

Steel Box Rafters : 4"x 2"x 2.3 thk.mm

Steel Box Purlin : 1" x 1" x 2.3 thk.mm

Overhang Dimension : Up to 2 Meters. Installation should be attached to the beam only.



C TYPE

Support Arm Structure

Steel Box Rafters : 4"x 2"x 2.3 thk.mm

Steel Box Purlin : 1" x 1" x 2.3 thk.mm

Overhang Dimension : Up to 3 Meters. Installation should be attached to the column only

Installation Structure For Shinkolite Roof



D TYPE

Column Structure

Steel Box Column : 4" x 4" x 2.3 thk.mm

Steel Box Rafters : 4" x 2" x 2.3 thk.mm
(Depending on roof size)

Steel Box Purlin : 1" x 1" x 2.3 thk.mm
(Based on the proper working area)

Overhang Dimension : Up to 3 Meters, or as appropriate
for the installation site.



E TYPE

In case of the installation spans beyond 6 meters

* Need advice from a structural engineer for individual cases. The design should ensure the frame is divided into stair-like step



F TYPE

Installation Grand Series

Rafter x Purlin : 1,392 x 1,200 mm, 920 x 6,000 mm



MODERN
TROPICAL

TRANSLUCENT ROOF BY SUPERIOR SERIES



MODERN
CONTEMPORARY

TRANSLUCENT ROOF BY HEAT CUT SERIES



MODERN
RUSTIC

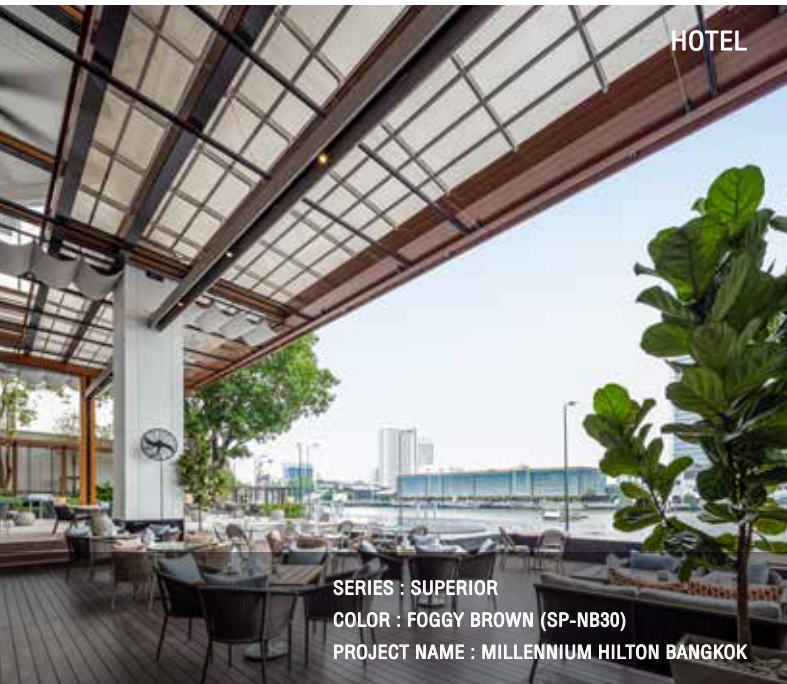
TRANSLUCENT ROOF BY HEAT CUT SERIES



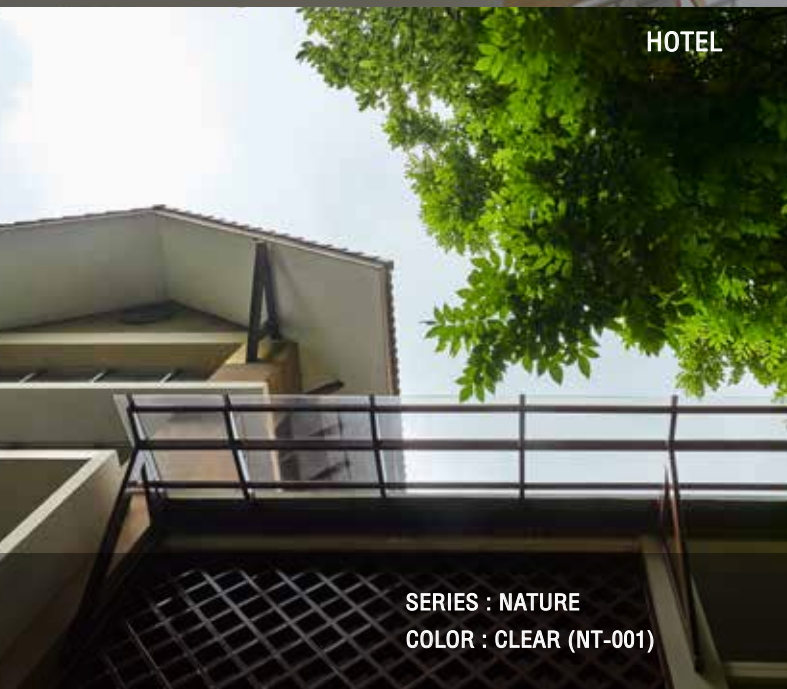
MODERN
LUXURY

TRANSLUCENT ROOF BY SHADE SERIES

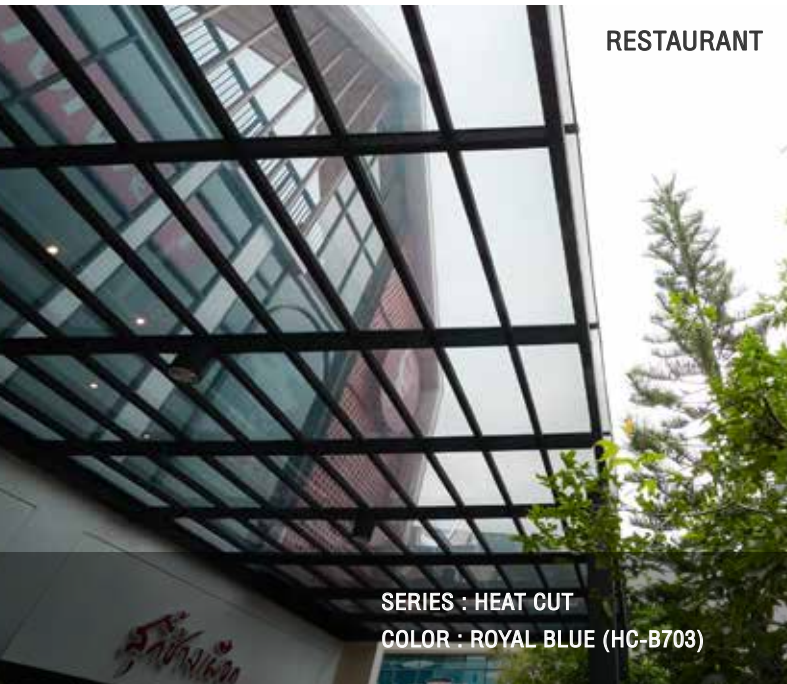
HIGHLIGHT PROJECTS



HIGHLIGHT PROJECTS



HIGHLIGHT PROJECTS



RESTAURANT

SERIES : HEAT CUT
COLOR : ROYAL BLUE (HC-B703)



RESIDENTIAL

SERIES : HEAT CUT
COLOR : CLASSIC BROWN (HC-570)



RESIDENTIAL

SERIES : HEAT CUT
COLOR : CLASSIC BROWN (HC-570)



HOTEL

SERIES : SUPERIOR
COLOR : LIGHT BROWN (SP-NC95)

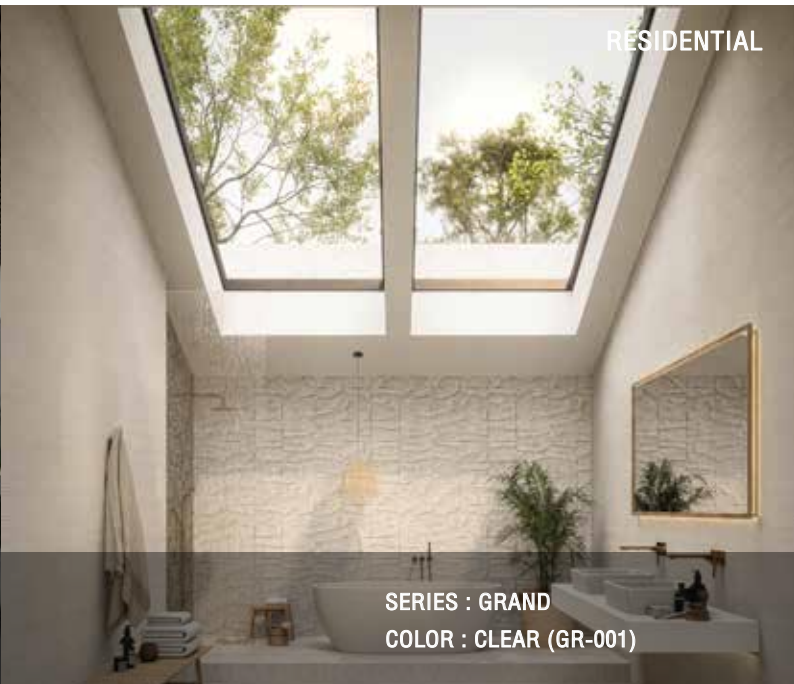
HIGHLIGHT RESIDENTIAL PROJECTS



HIGHLIGHT RESIDENTIAL PROJECTS



HIGHLIGHT RESIDENTIAL PROJECTS



SHINKOLITE 7S

(Considerations for Usage)

SPACE

The space should have openness on at least two sides and should not be positioned close to heat sources like stoves. The ceiling height should be a minimum of 3 meters above the floor.

SAVE COST

Prepare and adjust the working area to align with the sheet usage, minimizing leftover scraps that could impact costs. For instance, for an awning roof extension of 1 meter, 1.5 meters, 2 meters, or 2.5 meters, choose dimensions that maximize sheet utilization.

STAIN

Rinse off dust using a water hose. For cleaning, use a gentle sponge or soft cloth moistened with water and a dishwashing liquid mixture. Avoid using glass cleaner and thinner.

SLOPE

The minimum slope requirement should be at least 5 degrees.

SCREW

Begin with a pilot drill, and then use a router bit to create holes. Ensure the screw is perfectly centered in the drilled spot. (Use a 12.4 mm router bit head.) Do not use direct flatbed screws in any situation.

STRUCTURE

Prepare the structure right with the correct measurements. Keep the batten spacing as per each model. Rafters shouldn't be more than 1.392 meters apart. For roof dimensions over 6 meters, use a ladder-like structure using appropriate steel size.

SPARE GAP

Leave a 12-14 mm. gap between the sheets to accommodate expansion and contraction due to sunlight exposure. Maintain a gap of no more than 10 cm.



Download
the installation manual at
www.shinkolite.co.th

Shinkolite Translucent Acrylic Roof Sheet Maintenance After Installation



1. Avoid using any hard or sharp objects to clean the Shinkolite translucent acrylic roof sheet, as they can leave marks on its surface.



2. Clean the acrylic sheet using mild soapy water, water mixed with shampoo, or diluted dishwashing soap. Rinse it thoroughly with clean water and then dry it with a soft cloth or Chamois cloth.



3. To remove paint stains from Shinkolite acrylic roof sheets, use a light cloth soaked in kerosene or turpentine to wipe the stains. Afterward, wipe the area again with mild soapy water.

****Avoid using glass cleaning liquid, cleanser, gasoline, lacquer, or thinner on the surface of the Shinkolite acrylic roof sheet, as they can cause damage and internal cracking (crazing) may cut the user's hand.****



www.shinkolite.co.th

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