

วิธีการติดตั้ง  
หลังคาโปร่งแสง

อะคริลิก

**ShinkoLite**<sup>TM</sup>

The Premium Transparent Acrylic Roof



## Heat Cut



Classic Brown (570)



Modern Grey (N828)



Noble Green (N590)



Royal Blue (B703)

## Shinkolite Acrylic Roof : Nature Grade

Color	Code	Light Transmittance %
Clear	001	90
Light Grey	332	70
Glass Frosted	NB00	50
Light Brown	NC95	70

## Shinkolite Acrylic Roof : Heat Cut Grade

Color	Code	Light Transmittance %	Heat Cut %
Classic Brown	570	29	56
Royal Blue	B703	23	48
Modern Grey	N828	15	58
Noble Green	N590	19	59

## Shinkolite Acrylic Roof : Prime Grade

Color	Code	Light Transmittance %	Heat Cut %
Brownish Green	N562	13	75
Modern Grey	N828	14	69

## Shinkolite 7S (Usage considerations)

- Space** : The area should be open on at least 2 sides and do not install near source of heat such as stove.
- Save Cost** : The installation area should be adjusted to be similar in size to the sheet usage to avoid wasting the sheets. For example, the awning should be 1 m, 1.5 m, 2 m, 2.5 m, etc., which is a suitable length for the standard sizes of sheets.
- Structure** : Prepare the structure as specified. The purlin spacing is 50 cm, the rafter spacing do not exceed 1.392 m., the rafter is welded evenly with the purlin, and in the case that the roof is longer than 6 m, the structure should be a stair shape
- Slope** : The slope is 5 degrees.
- Spare Gap** : Make a 12-14-mm gap between each sheet along the rafter for the expansion and contraction of the sheets due to ambient temperature.
- Screw** : Drill a hole with a pilot drill bit and use a router bit to drill the hole and the screw must be in the center of the hole. (The router bit diameter is 12.4 mm)
- Stain** : Use a water hose to spray water to remove dust and use a sponge or soft cloth soaked with water mixed with dishwashing liquid to clean. Do not use glass cleaning liquid and paint thinner. If there is a paint stain, use turpentine to clean.

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# Acrylic Translucent Shinkolite Roof

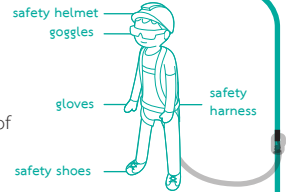
## Dominant Quality

- Have a glossy surface, with excellent, lightweight, modern, and transparent design, not turning into dreaded yellow or being damaged by frost cracks.
- Weigh around half of glass of the same size and have greater impact resistance compared to ordinary and safety glass.
- 100% recyclable.
- Able to reduce heat under the roof up to 48-59%\* for the thermal insulation type, helping increase a shade area and reduce heat compared to the nature acrylic type.

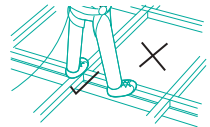
\*Infrared cut

## Recommended Practices for Safe Installation and Maintenance after Installation

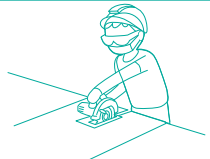
1. Wear the Personnel Protective Equipment (PPE) of the required standards and quality, for instance, safety helmet, goggles, safety shoes, and gloves.
2. Wear a safety belt to be tied to a stable structure when working on the roof higher than 1.8 m. for installation, correction, and cleaning works.



3. Do not stand on any bare Shinkolite Roofing Sheet without having a structural support for safety purposes as well as prevention of damage that may occur to the roofing sheet.



4. Cutting, drilling, and polishing Shinkolite Acrylic Roofing Sheet may cause smell from its dust or fume as well as scattered particles of acrylic. This causes danger to the respiratory system and irritation to eyes. All installation workers are requested to wear the PPE, such as safety goggles and dust protection mask, while being able to avoid dust and fume inhalation.



5. Be careful of the sharp sheet or corner of Shinkolite acrylic roof sheet.

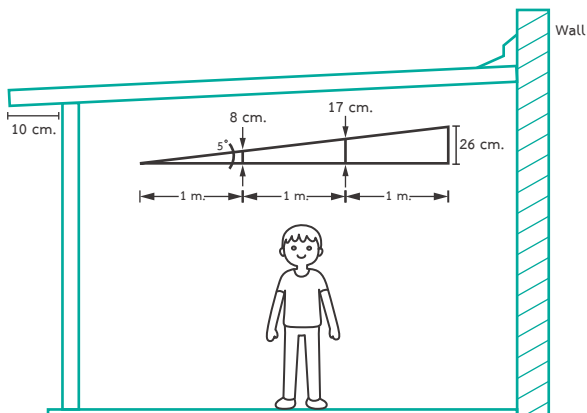


## First Aids Procedures

- If consumed, try self-induced vomiting and rush to a physician immediately.
- If causing irritation to skin, wash the irritated area with soap and clean water. If irritation is not relieved, see a physician.
- If fume or dust gets in the eyes, rinse with clean water for at least 15 minutes. If irritation is not relieved, see a physician.
- If inhaling fume or dust, take the patient to a well-ventilated area. If the patient experiences breathing difficulties or the breathing appears to slow down or stop, rush to a physician immediately.
- Beware of a cut from a sharp edge or corner of Shinkolite Acrylic Roofing Sheet. It is suggested to wear gloves every time when touching or holding the sheet.





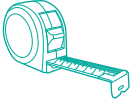









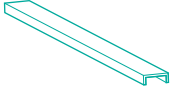
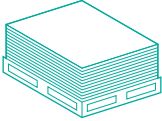




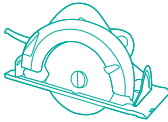
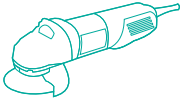
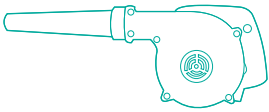





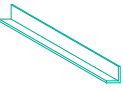
## Usage Instructions

1. Use Translucent Shinkolite Acrylic Roofing Sheet of the thermal insulation type for heat protection and utilization of natural daylight.
2. Designing of structure and installation of Shinkolite Acrylic Roofing Sheet must be recommended by a civil engineer.
3. Avoid installation in an area where the temperature exceeds 70 degrees Celsius or a place where flammable objects, for instance, stove or field stove, are located. This may cause bending or flame to Shinkolite Acrylic Roofing Sheet, leading to physical injury or damage of property.
4. Shinkolite Roofing Sheet must be installed in an open area (having at least 2 open sides).
5. Fastening and screwing of roof sheets must comply with installation recommendations stated in the handbook as Translucent Shinkolite Acrylic Roofing Sheet can flexibly stretch or shrink when being exposed to direct sunlight.
6. In case where the roof's length is over 6 m., the structure should be developed in a stairway pattern or contact a sales agent for structure-related advices.
7. Do not use any installation equipment made from PVC to permanently be connected to Shinkolite Roofing Sheet (for instance, flashing sheet, adhesive tape, etc.) to ensure the protection of damage that may occur the roofing sheet (for instance, frost crack).
8. A 5-degree slope should be determined for installation to be protruded from the wall to ensure proper drainage of water for the roofing sheet.
9. The distance from the eaves should not exceed 10 cm. as a longer distance may cause bending of the roofing sheet.
10. As Shinkolite Roofing Sheet is translucent, its cleanliness will depend mainly on a user's utilization and maintenance as requirements are detailed in Page 17.



Required Slope in Structure Preparation

## Materials and Equipment for Installation

					
ALUMINIUM FRAME COVER	ALUMINIUM FRAME	END CAP	ROUTER BIT 12.4 mm DIAMETER	TAPE MEASURE	SCISSORS FOR CUTTING ALUMINIUM FLASHING
					
FLASHING Z	FLASHING Z JOINT	FLASHING L	EPDM RUBBER BASE	CHEMICAL PEN	
					
EPDM (BLACK) CLAMP RUBBER SEAL	TVP (GREY) FLASHING RUBBER SEAL	U PROFILE	ALUMINIUM FRAME CAP		
					
SHINKOLITE ACRYLIC SHEETS	3M DOUBLE TAPE	MARKING ROPE	TAPPING SCREW #8 SIZE 1½", 2"	RUBBER HAMMER	
					
HAND HELD CIRCULAR SAW ALUMINIUM BLADE 4" 40 TEETH	GRINDING WHEEL TILE CUTTER BLADE 4"	BLOWER	ELECTRIC DRILLER AND BITS *LOW SPEED		
					
JIG 12 - 14 mm 2 - 3 PIECES • Used for setting an appropriate distance between roofing sheets only. • Samples of materials can be acrylic sheet, plywood, etc. • Additional utilization details can be studied from Page 13.	Silicone Sealant with Caulk Gun (100 % Acid Free Silicone)	EDGE	ALUMINIUM U	ALUMINIUM U	ALUMINIUM L

**Remark :** Use Shinkolite Roofing Sheet's installation equipment recommended by a sales agent only.

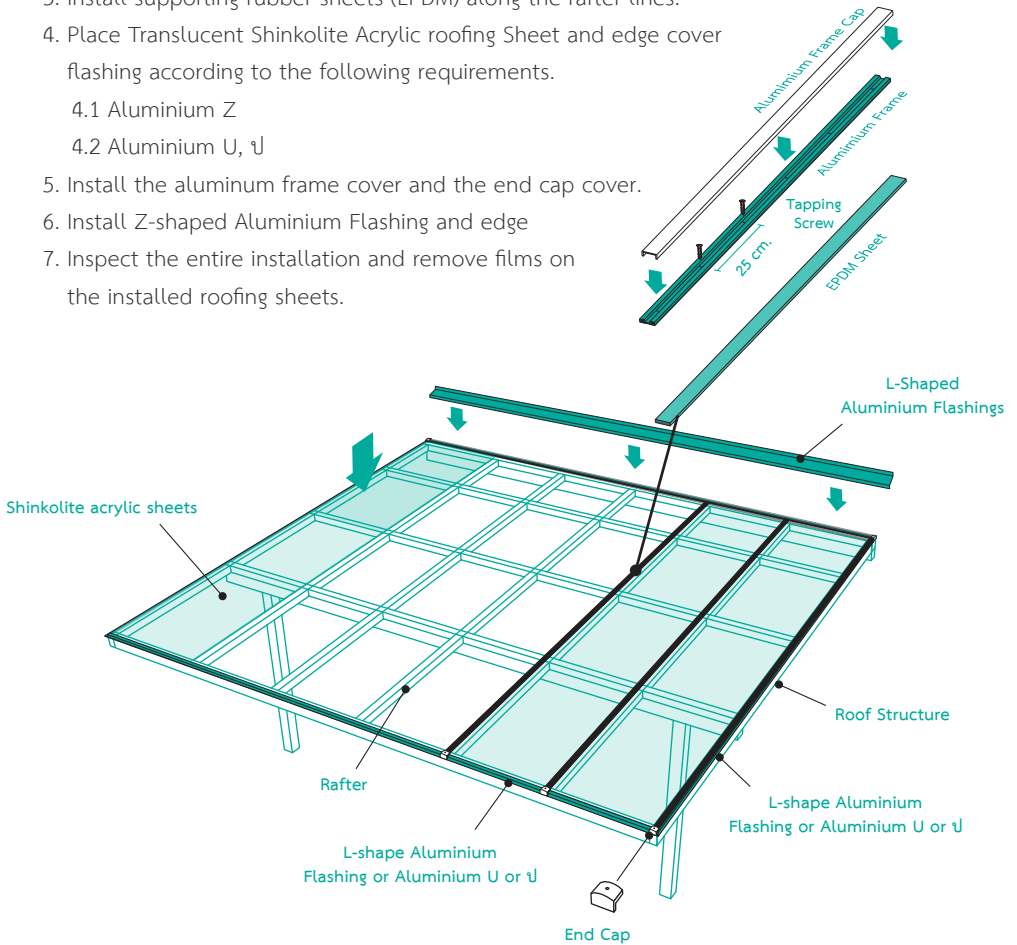
To search for a list of sales agents, please visit <https://www.shinkolite.co.th/>



# Installation of Translucent Shinkolite Acrylic Roofing Sheet

## Installation Procedures

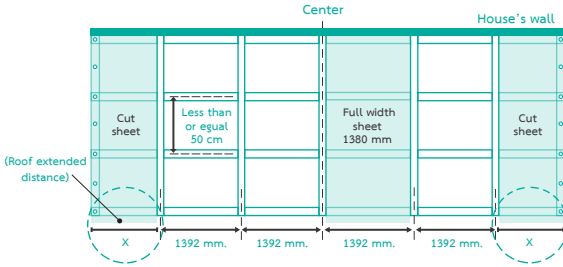
1. Prepare the roofing structure according to the required standards.
2. Prepare Shinkolite Acrylic Roofing Sheet for installation.
3. Install supporting rubber sheets (EPDM) along the rafter lines.
4. Place Translucent Shinkolite Acrylic roofing Sheet and edge cover flashing according to the following requirements.
  - 4.1 Aluminium Z
  - 4.2 Aluminium U, U
5. Install the aluminum frame cover and the end cap cover.
6. Install Z-shaped Aluminium Flashing and edge
7. Inspect the entire installation and remove films on the installed roofing sheets.



## Structural Design for 6-mm Roofing Sheet

### 1 Use Full Width of Sheet (No Waste)

Spacing of inner rafter is 1392 mm. (measured from center to center). Spacing of the left or right edges of the rafter is suggested to be less than the inner space.

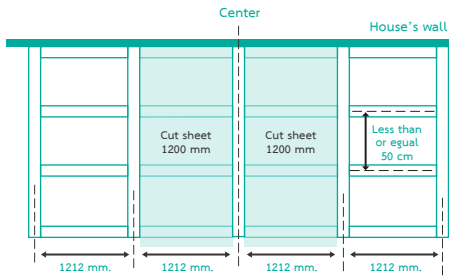


- Advantage**
- Reduce waste
  - Easy in installation
- Disadvantage**
- Structure spacing is not equal.

\* Only extreme left and right rafter, extend roof sheet not over (cut sheet) 10 cm.

### 2 Cutting sheet

Every rafter spacing is same.



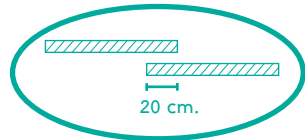
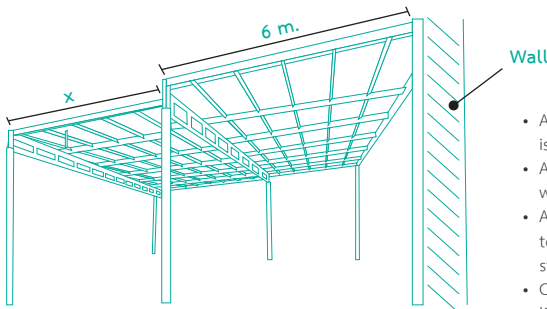
- Advantage**
- Symmetry structure in all position
- Disadvantage**
- Price/m.2 higher than real Area due to waste from cutting
  - More cutting sheet work

\*Loss due to waste from cutting sheets



Rafter width should be at least 2"

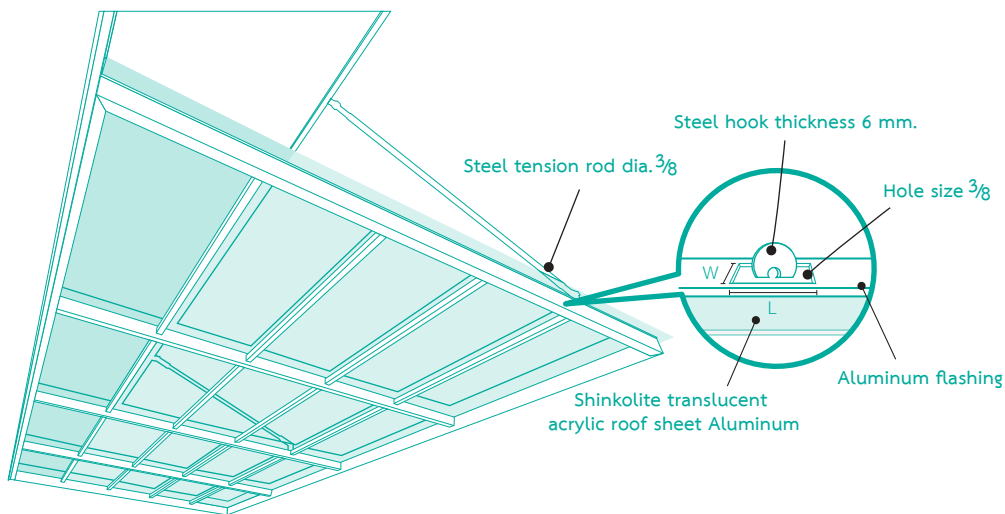
### 3 Structure for Roof Length Exceeding 6 Meters



- An approximate space of 20 cm. is suggested for overlapped sheets.
- A separate stairway pattern is recommended when the roof length exceeds 6 m.
- Aluminum flashing or steel plate can be used to prevent rainwater flowing between the two stairways patterns.
- Connection of roofing sheets along the purlin line is never allowed for all cases.

#### 4 Structure for Tension Rod Design

1. For installation, a 5-degree slope protruding from the wall is recommended to ensure the roofing sheet's proper drainage of water.
2. The protruding distance should not exceed 10 cm. from the eave as the excessive length may cause bending to the roofing sheet.



#### \* Installation of Rain Gutter

The SCG "Smart" Rain Gutter is recommended.

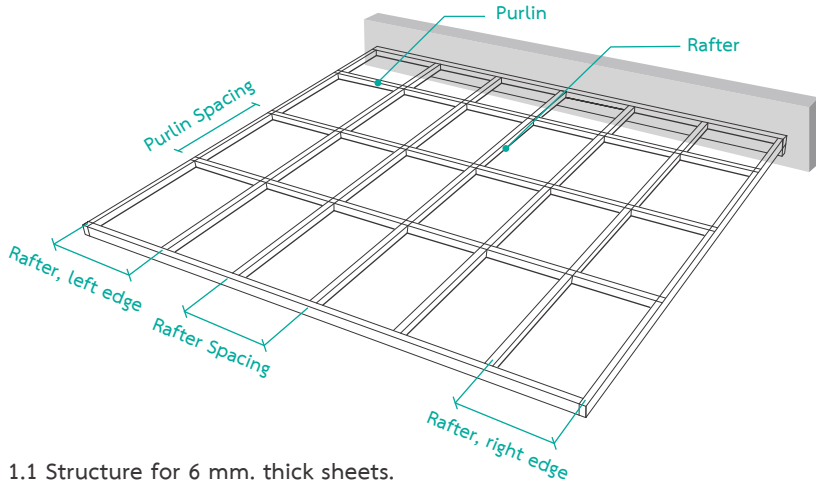
1. About 5-7 cm. of the end of the roofing sheet must be extended into the rain gutter to prevent the leakage of rainwater.
2. The proper size of the roofing structure should be designed and prepared in advance to properly set a space for the purlin by taking 17 cm. allowed for the installation of rain gutter.

#### Precautions

1. A wall attached to the roof must not be a precast wall.
2. The tension rod holding the roof structure must be attached from the column or beam structure only.
3. The distance of the overhanging roof structure should not exceed 3 m. from the wall and 8 m. from the floor.
4. The cantilever structure bearing rainwater from the main roof may affect the installed equipment and materials when there is a large amount of rainwater.
5. It is recommended to install the rain gutter at the main roof to reduce the amount of water.

# 1 Inspection of Roof Structure, Rafter, and Purlin

Rafters and purlins must be placed and installed in an equal level. Recommendations for rafters and purlins spacing are detailed below



## 1.1 Structure for 6 mm. thick sheets.

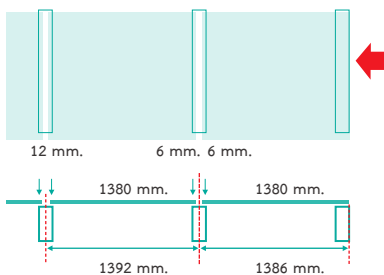
Acrylic Width	Acrylic Thickness	Purlin Spacing	Rafter Spacing* (Center to Center)	Rafter Spacing (Left / Right)	Structural steel size	
					Rafter	Purlin
1380 mm.	6 mm.	500 mm.	≤ 1392 mm.	X	1.5" x 3"	1" x 1"
					2" x 4"	1.2" x 1.5"

## 1.2 Structure for 10 mm. sheets. NEW

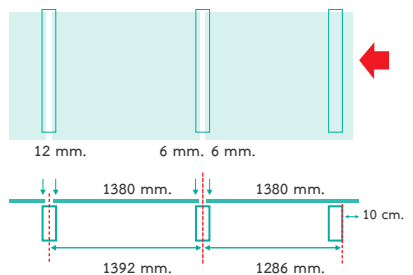
Acrylic Width	Acrylic Thickness	Purlin Spacing	Rafter Spacing* (center to center)	Rafter Spacing (Left / Right)	Structural steel size	
					Rafter	Purlin
1380 mm.	10 mm.	1000 mm.	≤ 1392 mm.	X	2" x 4"	2" x 2"

### How to calculate rafter spacing (extreme left & extreme right)

1 Structure design, in case edge of sheet is in line with rafter edge.

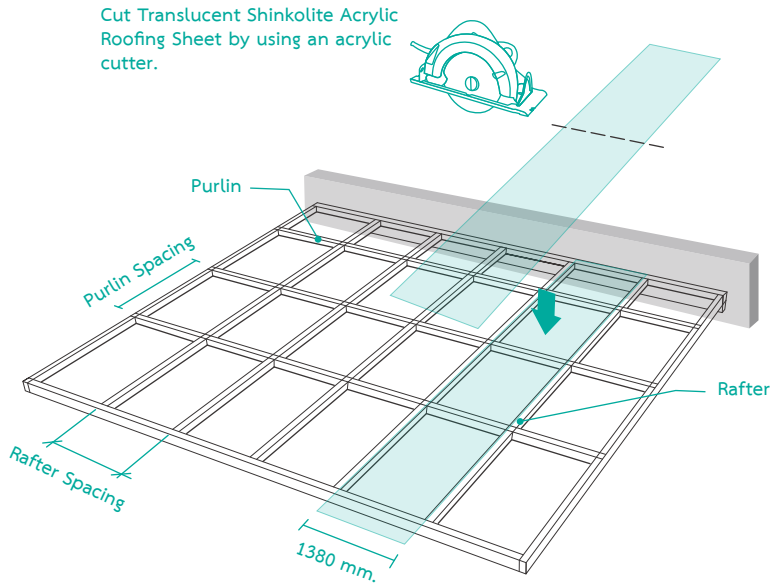


2 Structure design, in case edge of sheet is extended beyond rafter edge.



## 2 Preparation of Translucent Shinkolite Acrylic Roofing Sheet for Installation

Prepare Translucent Shinkolite Acrylic Roofing Sheet by cutting the roofing sheet referring to the required size using a handheld circular saw and a marking robe to indicate the cut lines.



### Tips : cut sheet to fit column corner

1. Drill guide holes, use router bit to enlarge the drilled holes.



2. Cut sheet as the marking lines with circular blade cutting equipment



### 3 Installation of EPDM Rubber

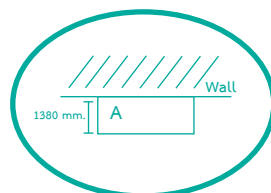
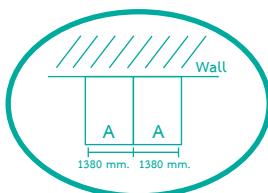
Use the 3M tape to attach the EPDM rubber to all rafter lines (in case of using the structural purlin of the width exceeding 1.5", it is recommended to attach the EPDM rubber to all purlin lines). The EPDM rubber helps reduce noise occurred from temperature contraction and acrylic sheet expansion as well as prevent the leakage of rainwater.

### 4 Installation of Shinkolite Acrylic Roofing Sheet

Prior to the installation of Shinkolite Acrylic Roofing Sheet, the roofing sheet of the 1,380-mm width should be placed in parallel with the wall.

#### Tips

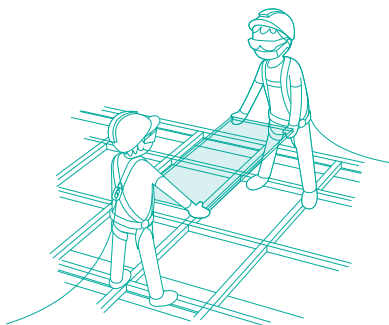
In case of installing roof sheet directly contact to wall, set clearance distance 5-6 cm. between wall and edge of roof sheet



4.1 Remove the underside film of Shinkolite Roofing Sheet (the underside part to be attached to the top of the purlin).



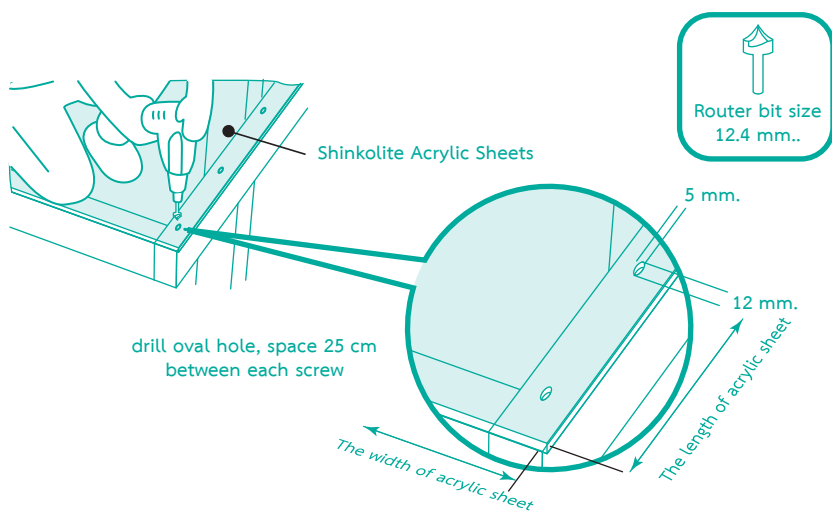
4.2 Always attach Translucent Shinkolite Acrylic Roofing Sheet to the film side, where workers are required to help in lifting and holding the roofing sheet.



\* As the weight of Translucent Acrylic Roofing Sheet is around 7 kg./m<sup>2</sup>, it is necessary to consider the number of workers required for lifting and relocating complying with the ergonomic principles. Children, pregnant women, and aged people are not allowed to lift the roofing sheet.

4.3 Remove 10 cm. of films on both sides of the top of the roofing sheet to facilitate the installation of the aluminum frame.

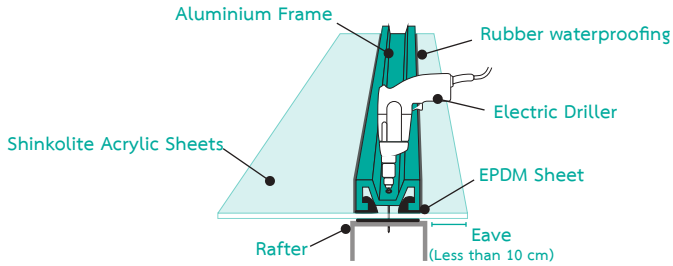
4.4 Drill a guide hole on Shinkolite Acrylic Roofing Sheet by using a drill bit. Enlarge the drilled hole to an ellipse hole on the length side along the acrylic roofing sheet. The length and width sides of the ellipse hole are 12 mm. and 5 mm., respectively. Also, the router bit of 12.4 mm. can be used to drill the hole. Keep the screw spacing distance at 25 cm. (for a windy area, for instance, seaside, spacing should be maintained at 20 cm.).



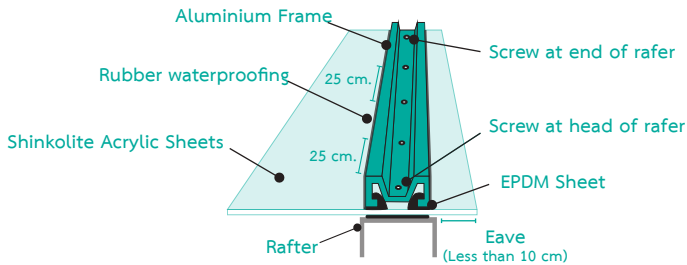
- Remark :**
1. The drilled hole should be 2-3 mm. larger than the screw size to allow the expansion resulted from heat as well as prevention of bending and cracks on the roofing sheet in the long run.
  2. It is never suggested to use a large-headed drill bit as it will cause a nicked hole at the bottom of the drilled hole on the acrylic roofing sheet, considered one of the major causes of cracking on the acrylic roofing sheet after being exposed to high temperature.

### Tips : How to Drive a Screw to the Drilled Hole's Center

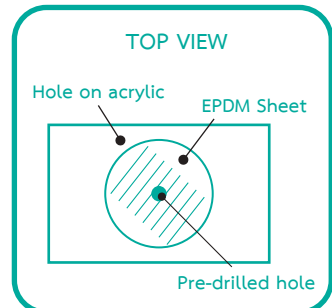
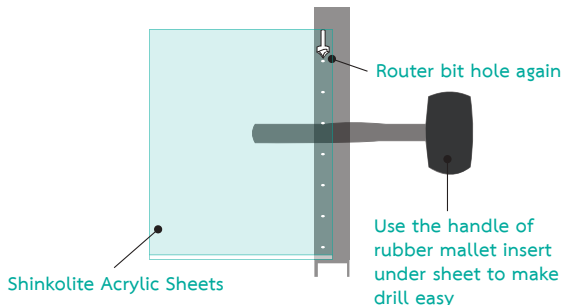
1. Place a template to adjust the eave to the required position (protruding should not exceed 10 cm.). Place the aluminum frame over the roofing sheet along the center line of the rafter. Use a 3.5-mm. drill bit to drill through the aluminum frame, roofing sheet, and top side of the rafter steel tube on both ends of the rafter. After that, tighten with a screw.



2. Use a drilling equipment to drill through the roofing sheet and the top side of the rafter tube at every 25 cm. (or spacing of 20 cm. for a windy area).



3. Loosen screws on both ends of the rafter. After that, remove the aluminum frame and place a handle of the rubber hammer beneath the roofing sheet to lift the roofing sheet off the steel frame. It is suggested to use the router bit to enlarge the drilled guide hole (make sure that the roofing sheet will not move and cause an error to the required position).

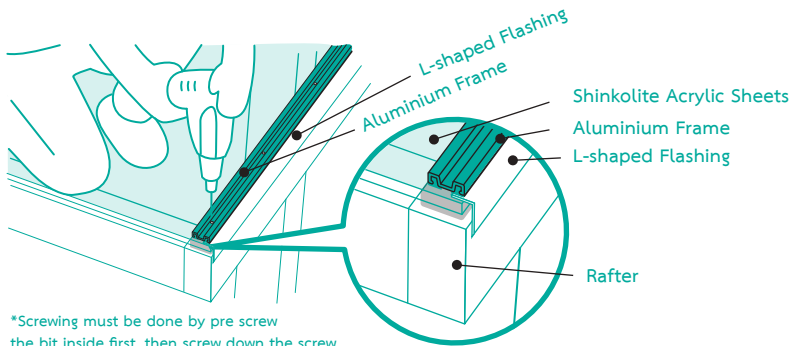




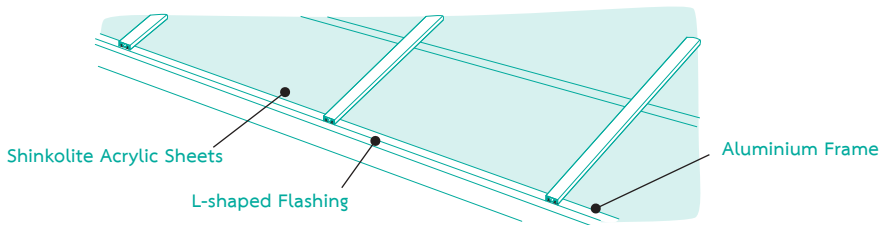
4.5 Use an air blower to blow all acrylic scraps out from drilling as they are considered one of the major factors to cause cracks on the roofing sheet following its expansion when being exposed to high temperature.

4.6 **Installation of the “L” flashing on the edge of the roofing sheet**

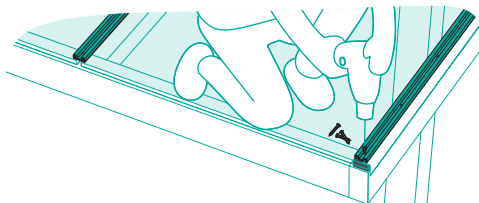
- In case where the “L” flashing is installed on the side, it is suggested to place the “L” flashing to cover the edge of Translucent Shinkolite Acrylic Roofing Sheet. After that, place the aluminum frame on top and drill it at the same position of the drilled hole on the acrylic roofing sheet.



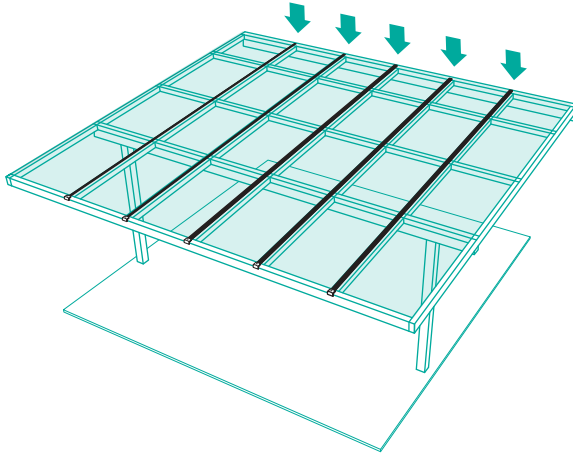
- In case where the “L” flashing is installed at the front, it is recommended to place the flashing between Translucent Shinkolite Acrylic Roofing Sheet and the aluminum frame, where the aluminum frame should be placed on top of the “L” flashing.



4.7 Drive all screws at the specified positions by initially fixing the screws on both ends.

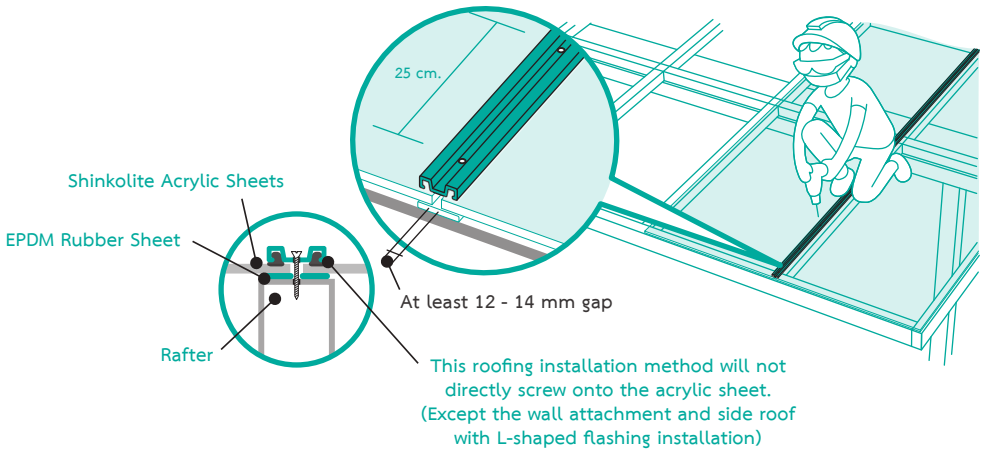


- The roofing sheet must be installed between the left and right edges of the roof.



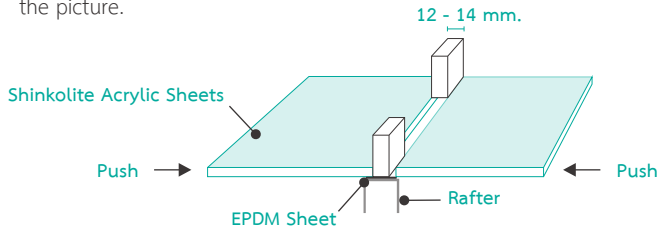
4.8 Remove films on both left and right sides of the roofing sheet at least 10 cm. for fixing the aluminum frame.

4.9 Fix Translucent Shinkolite Acrylic Roofing Sheet with the aluminum frame by leaving a space between roofing sheets of 12-14 cm. approximately. Set the distance of 25 cm. between each screw (for a windy area, for instance, seaside, spacing should be about 20 cm.).

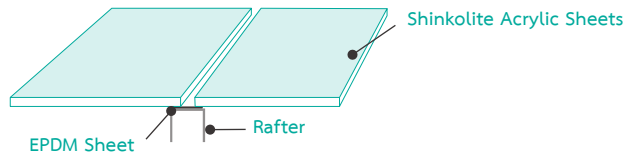


### TIPs : Maintain Space of 12-14 mm between Each Roofing Sheet

1. Place the jig on both ends. Push the roofing sheet to contact the jig as shown in the picture.

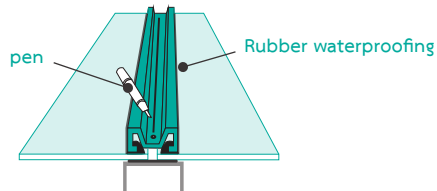


2. As the roofing sheet is properly placed, it is required to move the jig out and fix the roofing sheet normally. The space of 12-14 mm. should be maintained.

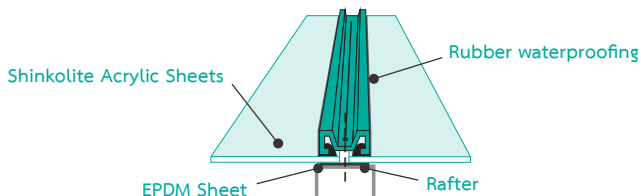


### TIPs : Methods for Fixing Screw at the Center

1. Use a pen to mark the center of the aluminum frame referring to the drilled holes.



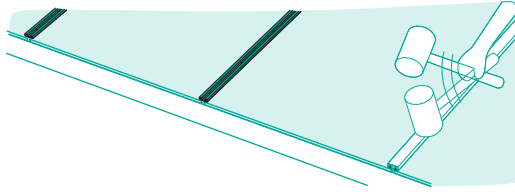
2. Initially fix the aluminum frame on both ends through the marked points at the center of the space of 12-14 mm. as stated above.



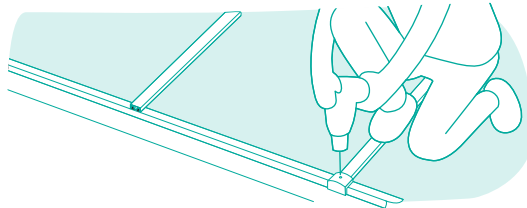
3. Drive screws at every 25 cm. (or 20 cm. for a windy area) along the line marked with a pen.

## 5 Installation of Aluminum Frame and End Cap Covers

5.1 After installing the aluminum frame, it is necessary to cover it with the aluminum cover to prevent inward leakage of rainwater by using a rubber hammer to hit the cover being locked to the frame (a “click” sound must be heard).

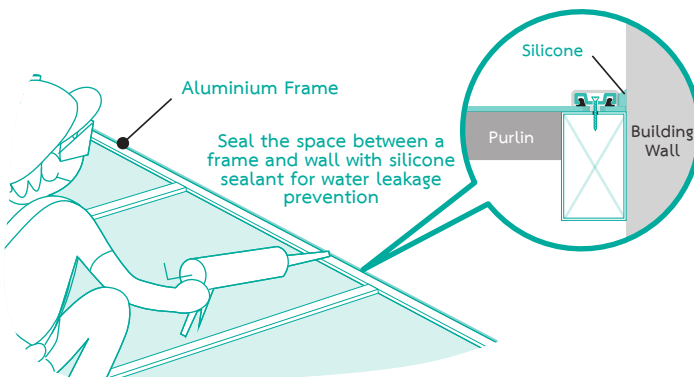


5.2 Install the end cap cover at the end of the aluminum frame using a drilling equipment to drill guide holes to be tightened with screws (short screws should be used to avoid the screw end to contact with the roofing sheet).



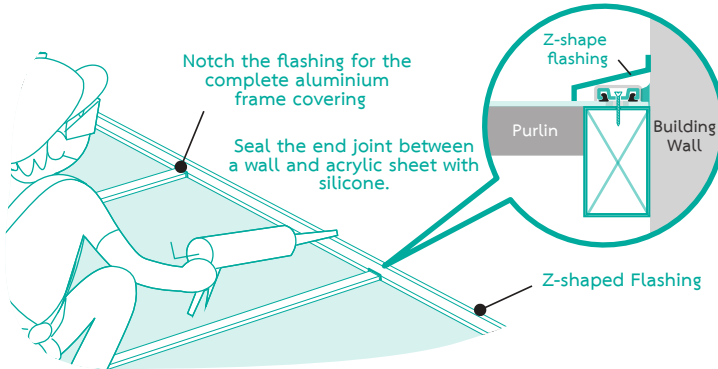
## 6 Installation of “Z” Aluminum Flashing and Edge Cover When Using “U” Aluminum or “J”

6.1 To fix the roofing sheet on the building’s wall, the acrylic roofing sheet should be drilled as said in No. 4.4, then place the aluminum frame on top of the acrylic roofing sheet. Drill holes on the aluminum frame at a proper position in line with the drilled holes on the acrylic roofing sheet below. Finally, it is necessary to tighten screws at the drilled holes to fix the roofing sheet to the structure and cover the aluminum frame with the aluminum cover.



**Remark :** This hole drilling method must be done in a circular shape.

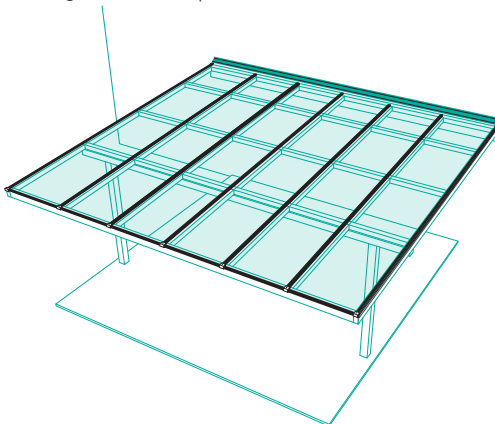
6.2 After completely fixing the aluminum frame, the “Z” flashing must be fixed around the end of Shinkolite Acrylic Roofing Sheet and the building’s wall. Tighten the “Z” flashing to the wall with screws and seal along the wall with silicone sealant. The “Z” flashing must be decoratively cut with scissors according to the undulation or ridge of the roof. The reason is to fix the flashing neatly in contact with ridges and grooves of the roofing sheet.



6.3 Use silicone sealant to fix the “U” or “J” aluminum edge covers as required.

## 7 Inspection of Installation and Removal of Film on Roof Sheet

If the installation has been completed, it is compulsory to inspect the roof to ensure there is no crack on the roofing sheet. Test the drainage system to ensure there will be no leakage found. Remove the film on top of Shinkolite Acrylic Roofing Sheet. Complete installation is shown in the picture.

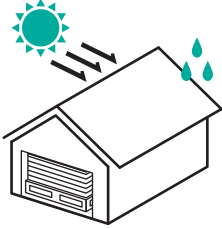


**Caution !**  
Should be remove top protective film after finishing. Becasur the film may not peel if leave it long time.

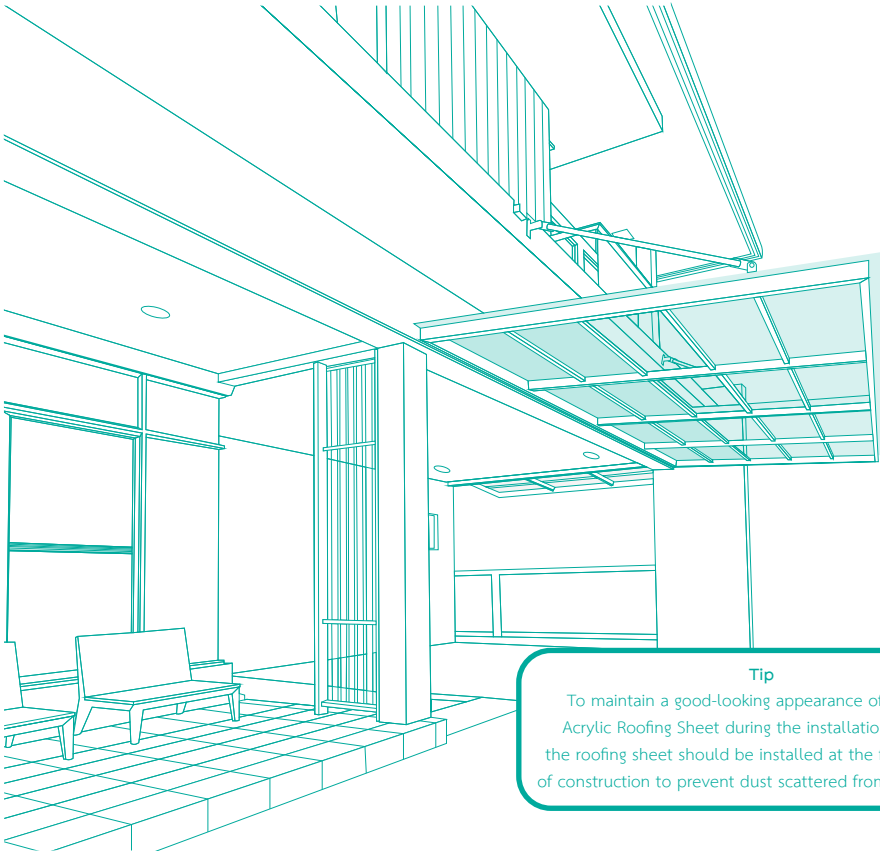
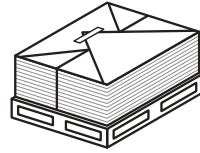
**Trick**  
The film should be peeled within 2 weeks.

## Storage of Translucent Shinkolite Acrylic Roofing Sheets before Installation

1. Keep the sheet in dry condition like inside a building and away from sunlight to ensure the maximum quality of Shinkolite acrylic sheet before using. (Temperature and moisture affect the product before use.)



2. Before the installation, Shinkolite acrylic sheet should be kept on a pallet that is high from the ground for moisture effect prevention. (Beware pallets and sheets fall over while storing and move.)



### Tip

To maintain a good-looking appearance of Shinkolite Acrylic Roofing Sheet during the installation process, the roofing sheet should be installed at the final process of construction to prevent dust scattered from construction

## Maintenance of Acrylic Sheet after Installation

1. Do not use any hard or sharp material to scratch on Shinkolite Acrylic Roofing Sheet when cleaning as it will cause scratches on the surface of the roofing sheet.



2. Mild soap water, water mixed with shampoo, or dilute dish washing soap are recommended to be used for cleaning. Rinse with clean water and wipe with a light or Chamois cloth.



3. For stains caused by paint, use a light cloth soaked with kerosene or turpentine to wipe out stains on Shinkolite Acrylic Roofing Sheet. Wipe again with mild soap water.

**\*\*Do not use glass cleaning liquid, cleanser, gasoline, lacquer, or thinner as they can cause damage to the surface of Shinkolite Acrylic Roofing Sheet, leading to internal cracking. \*\*Crazing may cause a cut on finger or hand.\*\***

## Installation Specifications of Translucent Shinkolite Acrylic Roofing Sheet for Designer, Installation Worker, and User

- Translucent Shinkolite Acrylic Roofing Sheet is suitable for canopy, parking roof, walkway, terrace roof, and resting pavilion roof to be installed in an open area where the height should not exceed 10 m. above the ground. Shinkolite Acrylic Roofing Sheet can be unsafe for improper uses, for instance, contacting with food or drink or making a shelf, wall, decorative vehicle part, toy, and toy accessories.
- Recommendations for installation in this handbook are used for the installation of Translucent Shinkolite Acrylic Roofing Sheet only as mentioned above. For other types of usage, a user is required to consult with a specialized engineer. This is under the obligations of designer, construction supervisor, and user.
- As Translucent Shinkolite Acrylic Roofing Sheet is made from plastic, its surface appears to be wavy compared to the glass's surface.
- Noise occurred from contraction or expansion of Translucent Shinkolite Acrylic Roofing Sheet is considered a specific characteristic of the material. Such noise can be absorbed and reduced by using the EPDM rubber support available via recommended channels stated in the website according to the installation processes stated in No. 3 of Page 7.

## Troubleshooting

\*The problems that found after installation for 1-2 week(s).

Problem	Root Cause	Solution
Sheet Broken	The position of screw does not place in center of screwed hole or center of spear gap between each sheet.	Change the sheet
	Spare the gap between each sheet along Rafter less than 12-14mm that can be the cause of sheet broken. Because the sheet expand without gap and can crash the screw.	Change the sheet
	If there is some acrylic scrap & dust after screwed still being in the hole, it will make the sheet crack when there is some heat because of thermal expansion.	Change the sheet
Sheet Bending / Wavy	<ol style="list-style-type: none"> <li>1. Spare the gap between each sheet along Rafter less than recommendation (12-14mm) or no gap.</li> <li>2. Fill silicon into the spared gap between each sheet that will obstruct from sheet expansion from nature of acrylic sheet.</li> </ol>	<p>Trim the edge of sheet to spare more gap along Rafter from recommendation (12-14mm).</p> <p>The problem need to solve in short period because if it takes long time that will make the shpae permanently bend.</p>
Standing water on roof	<p>Mostly found that effect from 2 causes.</p> <ol style="list-style-type: none"> <li>1. Slope of structure is too less (Rain cannot drain out of the roof or less than 3 degree).</li> <li>2. Gap of Rafter and Purlin is larger than recommendation.</li> </ol>	To currently rebuild or renovate the structure as recommendation about slope and gap of Purlin & Rafter.

## Disposal Shinkolite Transparent Acrylic Roof Sheet.

Cut into small pieces and throw them in the recycle trash.



## Check list

### Examples of Checkpoints before Confirming the Complete Installation of Shinkolite Transparent Acrylic Roof

- |   |                                  |  |
|---|----------------------------------|--|
| 1. The roof structure is completed with accurate material.  | <input type="checkbox"/> Yes     | <input type="checkbox"/> It needs repair |
| 2. The roof structure is in correct perpendicular, range and level.   | <input type="checkbox"/> Yes     | <input type="checkbox"/> It needs repair |
| 3. Rafter and purlin are in the same level.   | <input type="checkbox"/> Yes     | <input type="checkbox"/> It needs repair |
| 4. The spacing of rafter and purlin is accurate   | <input type="checkbox"/> Yes     | <input type="checkbox"/> It needs repair |
| 5. The Installed Shinkolite Acrylic Sheet Crack Checking  | <input type="checkbox"/> Have    | <input type="checkbox"/> Do not have     |
| 6. Use correct color(s) and installed-acrylic-sheet thickness   | <input type="checkbox"/> Correct | <input type="checkbox"/> Incorrect       |
| 7. Shinkolite acrylic roof is attached correctly followed the installing recommendation.  | <input type="checkbox"/> Correct | <input type="checkbox"/> Incorrect       |
| 8. The spacing between sheets is made around 12 – 14 mm   | <input type="checkbox"/> Correct | <input type="checkbox"/> Incorrect       |
| 9. There is aluminium cap covered aluminium frame for water leakage protection.   | <input type="checkbox"/> Have    | <input type="checkbox"/> Do not have     |
| 10. There is silicone sealed between the end wall joint.  | <input type="checkbox"/> Have    | <input type="checkbox"/> Do not have     |
| 11. The Corner Completion, L-shaped and Z-shaped Flashing Installation  | <input type="checkbox"/> Yes     | <input type="checkbox"/> It needs repair |
| 12. The Accuracy and Consistency of a Roof after Installation   | <input type="checkbox"/> Yes     | <input type="checkbox"/> It needs repair |
| 13. The Protective Film on Shinkolite Acrylic Sheet is removed entirely.  | <input type="checkbox"/> Yes     | <input type="checkbox"/> It needs repair |
| 14. The roof/awning water drainage is good after the water spray test on the roof and flowing direction check if it followed the designed structure or not. There is no puddle of water on Shinkolite acrylic roof. | <input type="checkbox"/> Yes     | <input type="checkbox"/> It needs repair |
| 15. Roof Leakage Check after Water Spray Test on the Roof   | <input type="checkbox"/> Yes     | <input type="checkbox"/> It needs repair |
| 16. The Neatness of the Finished Work after Installation the roof setters have cleaned the roof well.   | <input type="checkbox"/> Yes     | <input type="checkbox"/> It needs repair |

**Note :** For more informations, please visit <https://www.shinkolite.co.th/บทความ/>



## Nature



Clear (001)



Light Grey (332)



Glass Frosted (NB00)



Light Brown (NC95)

Revision : 201810

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