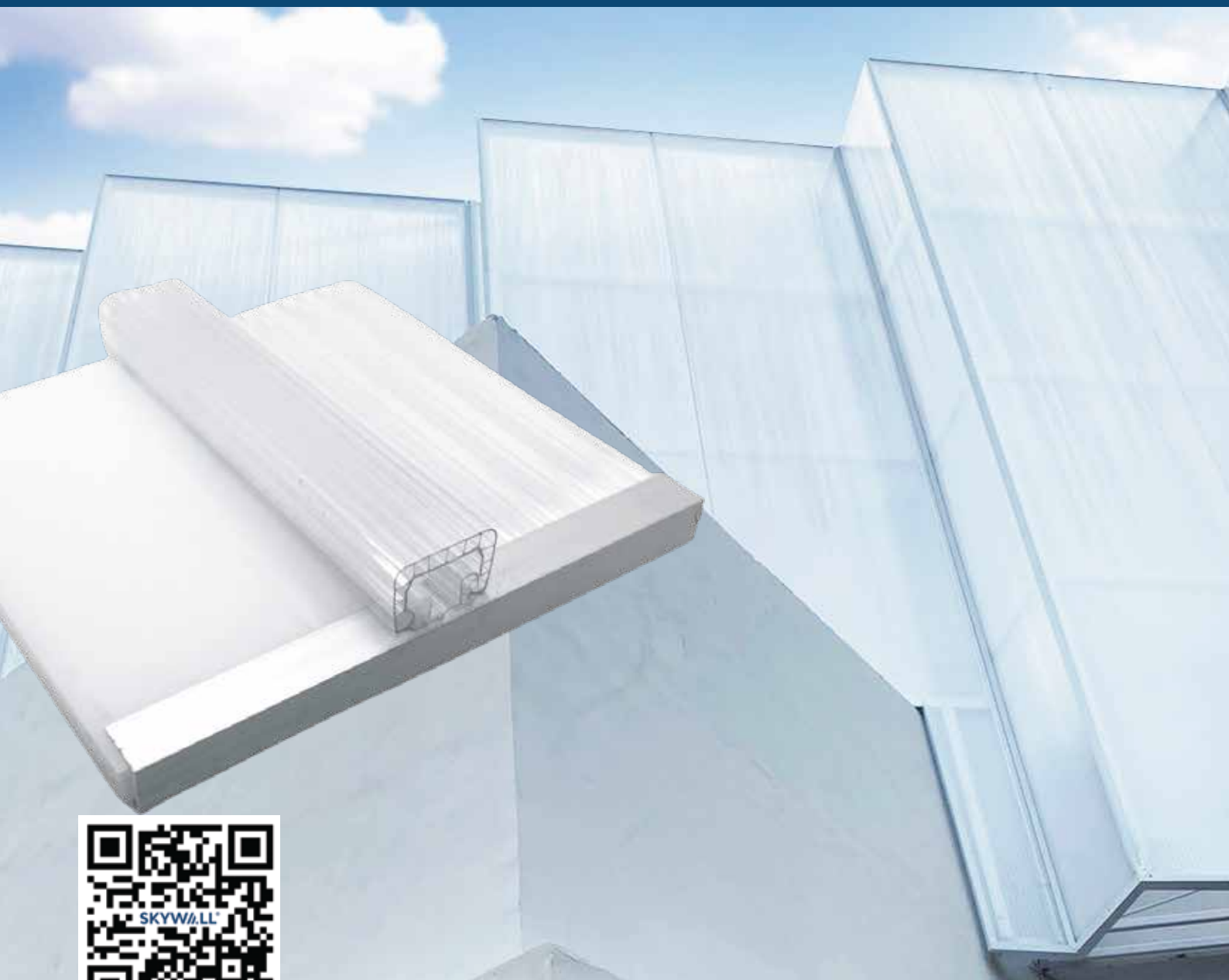


SKYWALL®



MW Architecture System



E-Catalogue

SKYWALL®

Multi-wall Polycarbonate Architectural System

Creating New Ambience



Energy Saving



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SKYWALL MULTI is an advanced multiwall Polycarbonate panel system that combines proven design, light transmission, thermal insulation and strength. It offers a lightweight, leak-proof design that withstands very high loads, and accomodates expansions and contractions. The system's distinct advantages make it ideal for long-term applications on many types of projects.

SKYWALL MULTI panels join together by a polycarbonate or aluminum joiners, which are sealed at the ends by End-Caps. The entire system are clamped into the structure without fasteners penetrating through the panels. Ventilated sealing tape seals at the panel's lower end to prevent dirt from entering the flutes, while also providing sufficient drainage.

SKYWALL MULTI SYSTEM is a perfect solution for all seasons, providing light and energy-saving insulation.

MAIN BENEFIT

- ✓ Withstand very high loads
- ✓ Accomodates expansion & contraction
- ✓ Leak-proof
- ✓ High thermal insulation
- ✓ Ideal for curved designs
- ✓ Double sided UV protection

APPLICATIONS

- ✓ Architectural roofing & glazing
- ✓ Commercial and retail roofing
- ✓ Sports facilities
- ✓ Covered walkways, awnings, & entrances
- ✓ Open marekts - light roofing
- ✓ Service stations - translucent roofing
- ✓ Parking structure coverings
- ✓ Swimming pool covers





POTATO HEAD, TABANAN
7-WALL SMOG BLUE




BIRD'S NEST FACTOR, TANGERANG
9-WALL CLEAR EMB.



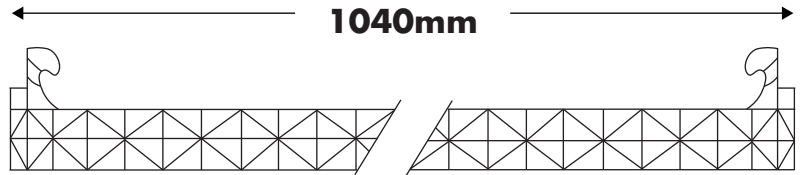
 CERITA KITA CAFE & EATERY, SALATIGA
7-WALL WHITE



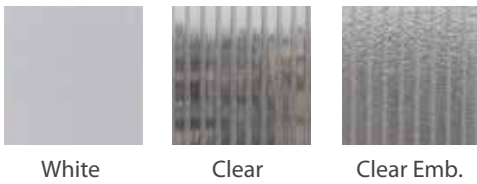
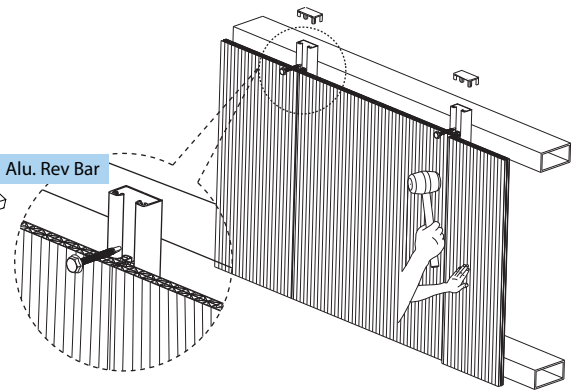
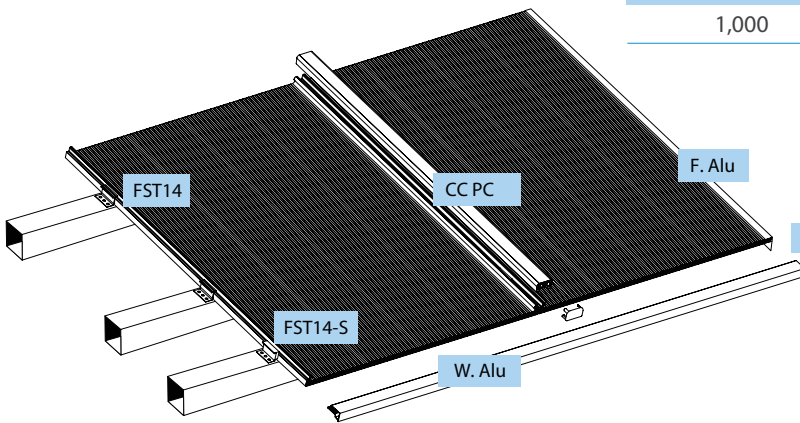
 KENJERAN BASKETBALL COURT, SURABAYA
5-WALL WHITE & BLACK

5-W

Size: 14mm x 1040mm
 L: 4.0M | 6.5M | Custom
 Weight: 2.7 kg/m²
 Min. Bend Radius: 5,600mm

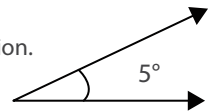


5-Wall			
CC PC		ALU	
Mid-Span (mm)	End-Span (mm)	Mid-Span (mm)	End-Span (mm)
1,000	750	1,200	750



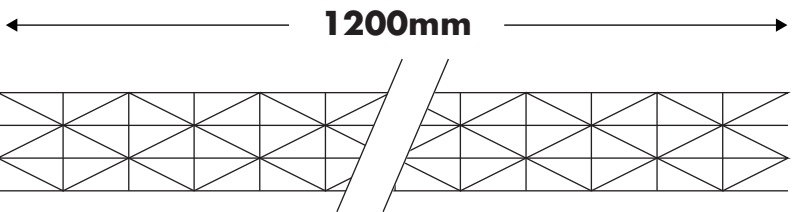
Roof Structure

System fits for both rafter and purlin construction. The recommended minimum roof slope for applications is 5°. For lower slopes rafter design is recommended.

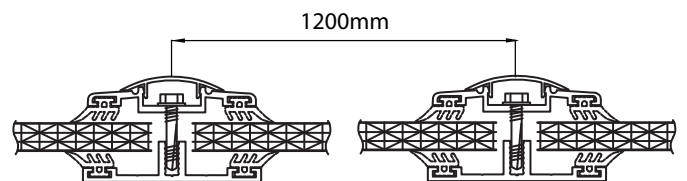


7-W

Size: 16mm x 1200mm
 Length: custom
 Min. Bend Radius: 3,040mm
 Weight: 2.7 kg/m²



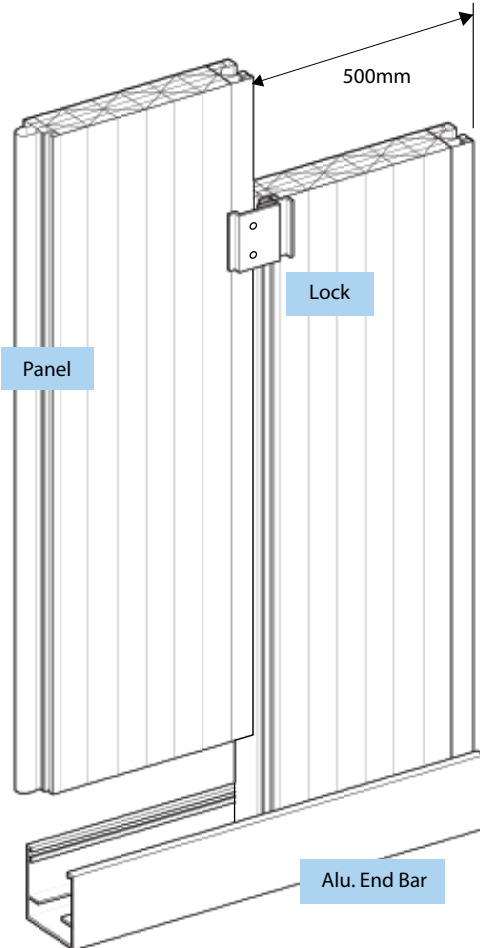
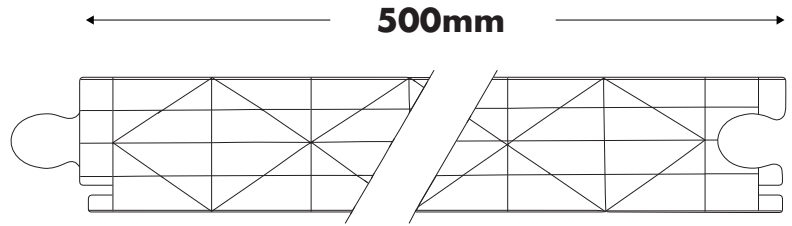
7-Wall	
CC Aluminium	
Mid-Span (mm)	End-Span (mm)
1,000	750



Notes: The table is valid for purlin installation only.

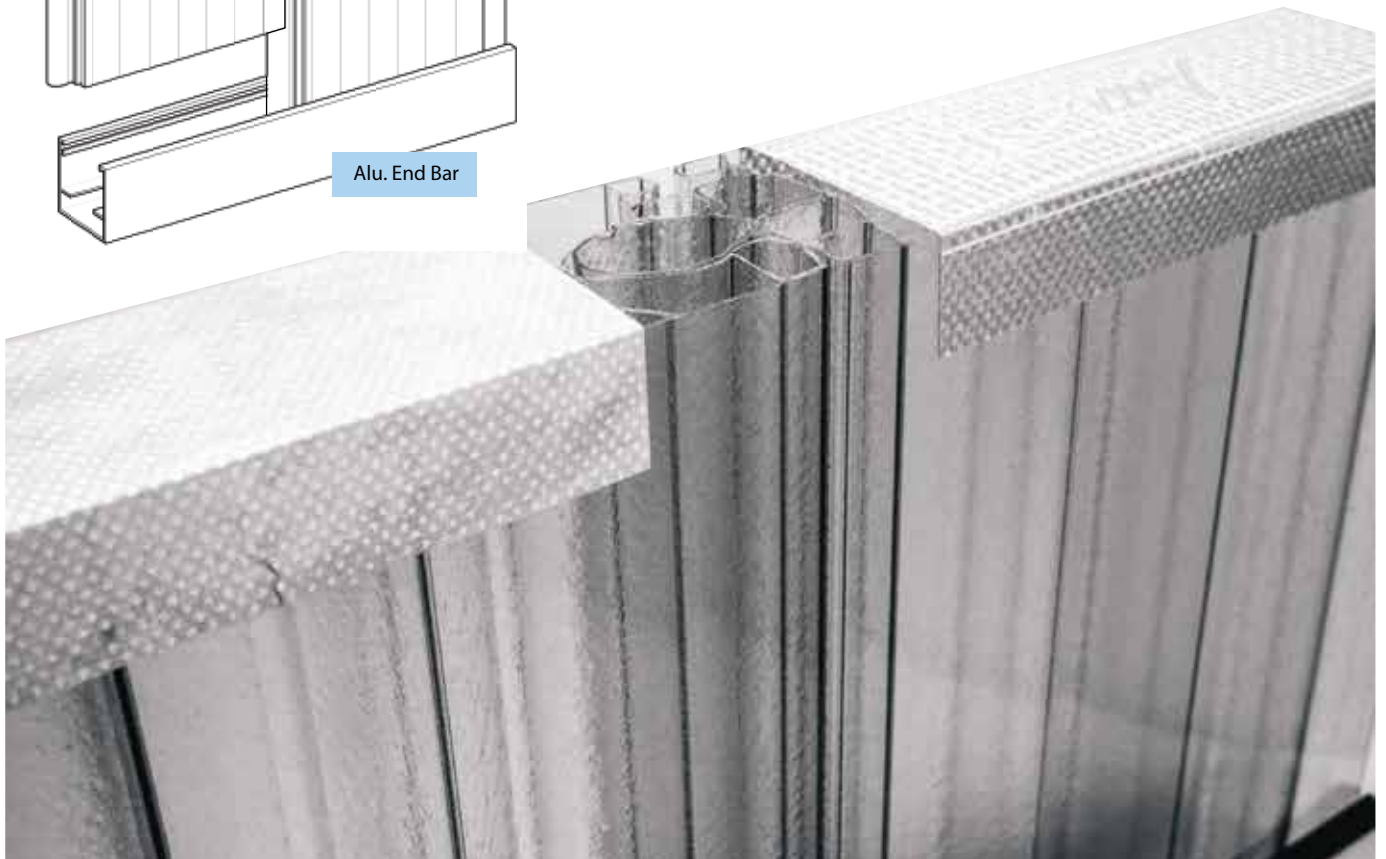
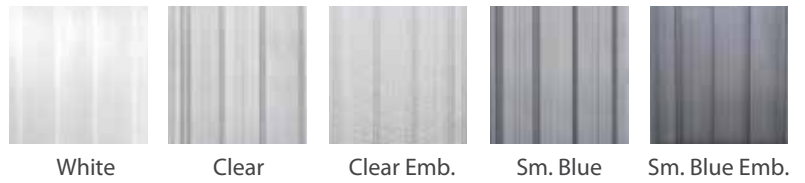
9-W

Size: 40mm x 500mm
 Length: 4.0M | 6.5M | Custom
 Weight: 4.1 kg/m²



9-Wall	
Mid-Span (mm)	End-Span (mm)
3,300	2,000

Notes: The table is valid for purlin installation only.



Property	Method*	Conditions	Units	Value
Density	D-792		g/cm ³	1.2
Heat deflection temperature (HDT)	D-648	Load: 1.82 MP	°C	128
Coefficient of linear thermal expansion	D-696		cm/cm °C	6.5 x 10 ⁻⁵
Tensile strength at yield	D-638	10 mm/min	MPa	63
Transmittance	D-638		%	63
Heat transfer coefficient			w/m2.k	2.2
Shading coefficient			Low-E	0.6
Infrared transmittance			Low-E	<10

*ASTM method except where noted otherwise

Thermal Insulation

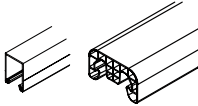
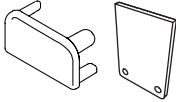
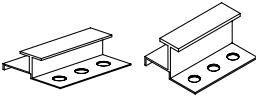
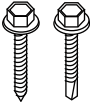
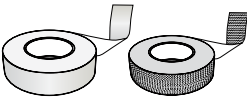
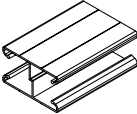
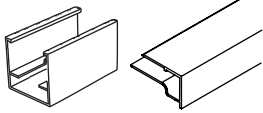
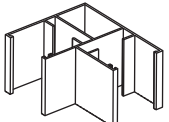
Type	Light Transmission [%] - Clear	U-Value [Watts /m ² .°C]	Sound Reduction [dB]
Glass	99	5.90	-
5-wall	69	2.15	20
7-wall	60	2.15	21
9-wall	58	1.41	25

Flammability

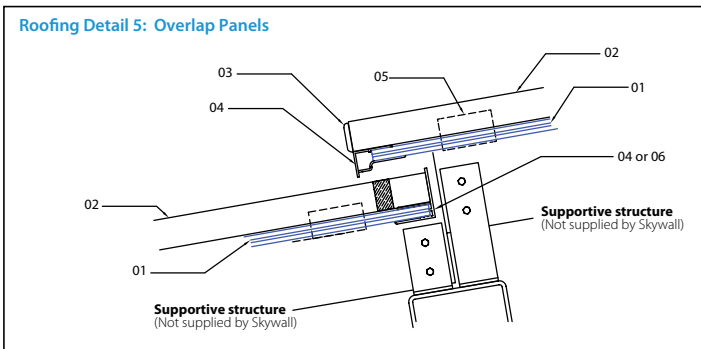
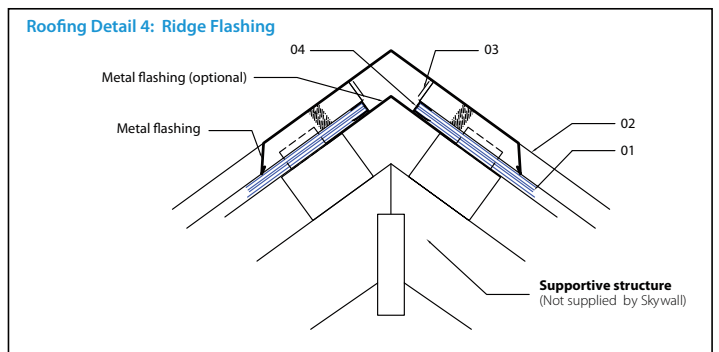
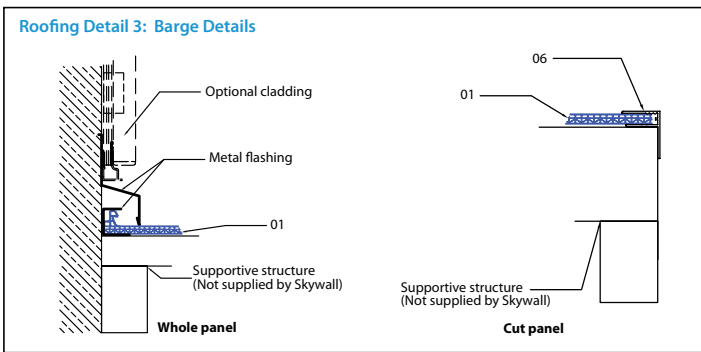
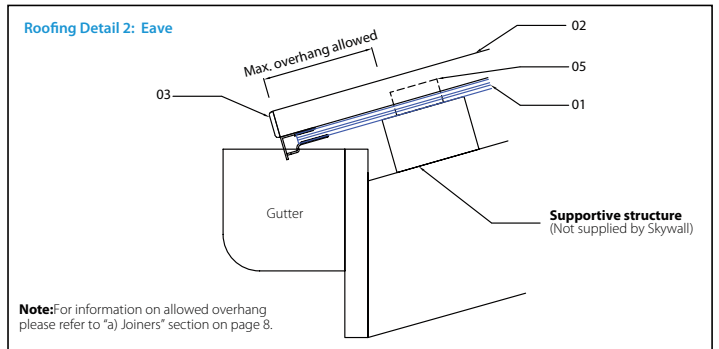
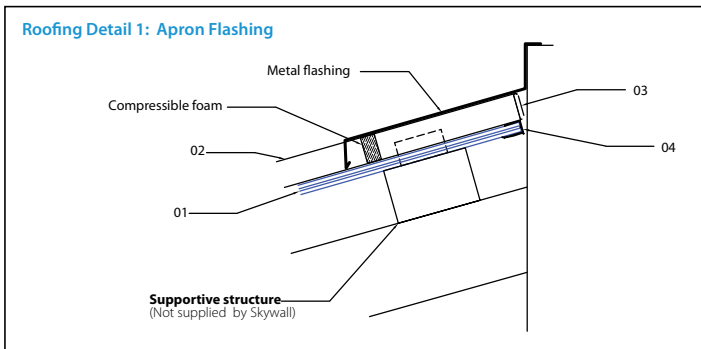
Standard
BI (GB8624-2012)
- B (EN13501)

*Depends on panel thickness.
Flammability classification appears in the attached table, based on a test performed by certified independent laboratories.

System Components

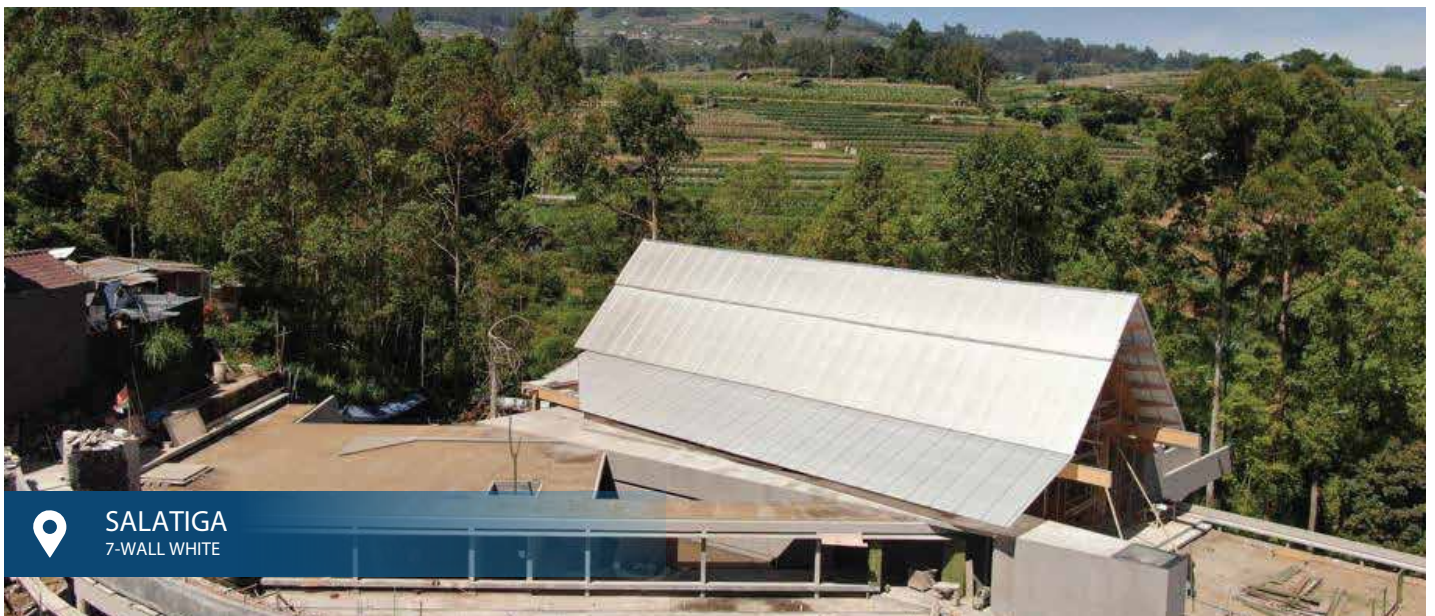
Component	Part No. (Type)	Drawing	Suppliance Data
CC PC & Aluminum			Length: 6m
PC End-Cap & End-Cap for Aluminum Joiner			
T-Fastener 14mm & 40mm			
Screw Hex-head screw			
Aluminium (Solid) Tape / Breather (Ventilated) Tape			
Multi-purpose Aluminum Connector			
Aluminum End Bar	(14mm) (16mm) (40mm)		Length: 6.0m
Aluminum Corner Profile	(40mm)		Length: 6.0m

TYPICAL INSTALLATION DETAILS



LEGEND

01	Panel
02	Polycarbonate Joiner CC PC
03	End-Cap
04	W-SMAE14
05	Fst-14



SALATIGA
7-WALL WHITE



SKYWALL®

 0812-1419-0125

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