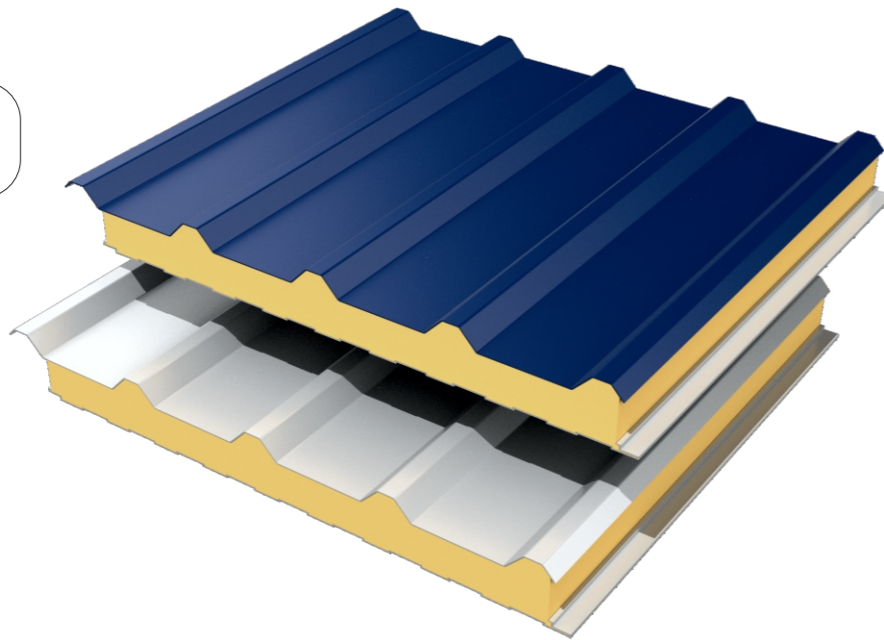


Sandwich Panel

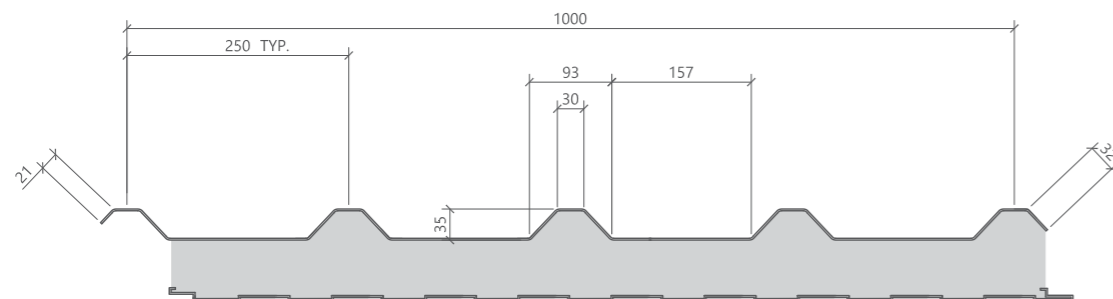
Specification

Top Skin Sheet / Liner Sheet			Insulation	Surface Coating	
Aluminium	GI	Alu Zinc		Weather-Side	Reverse-Side
0.4mm - 0.9mm thickness A3105/A3003 as per Client Project Specification	0.28mm - 0.70mm or 29gauge - 21 gauge as per Client Project Specification ASTM A653 or other equivalent standards like JIS 3302 , EN10326 / 10327, IS 277 either Zinc Coating G40 120gms/m ² G60 180gms/m ² G90 275gms/m ²	0.4mm - 0.9mm thickness as per Client Project Specification ASTM A792 with Coating AZ60-AZ180	Poly-urethane Injected Foam (PUR) Polyiso-cyanurate Injected Foam (PIR)	Polyester top-coat 20 micron over 5 micron of nominal epoxy primer PVDF, Plastisol, ARS shall be applied as per Client Project Specification Top coat color "RAL 9002" or as per Client Sepcified RAL Color	Epoxy Primer 5 - 7 microns Other coating shall be applied as per Client Project Specification Prime coat color "RAL 7035" or as per Client Sepcified RAL Color

AM RP 35/250[®]
Profile Panel



Design Information



Specification for Insulation - Roof Panel

POLYISOCYANURATE PROPERTIES Polyisocyanurate Panel U Value Chart					
Core Thickness in mm		50	75	100	
Overall Heat Transfer Coefficient # U # Value					
Wm ² K or Wm ² C		0.38	0.27	0.20	
Mechanical Characteristic of Polyurethane Insulation					
Density	Tensile Stress	Compression Resistance	Shear Resistance	Fire Property	Closed Cell content
35-40Kg/m ³ (as per BSEN 1602: 1997)	150 kpa (as per BSEN 1608: 1997)	100 kpa (as per ASTM C165 : 2000)	150 kpa (as per ASTM 271/ 271M)	B2/ B3 as per DIN 4102-1	> 94%
POLYURETHANE PROPERTIES Polyurethane Panel U Value Chart					
Core Thickness in mm		50	75	100	
Overall Heat Transfer Coefficient # U # Value					
Wm ² K or Wm ² C		0.36	0.25	0.19	
Mechanical Characteristic of Polyisocyanurate Insulation					
Density	Tensile Stress	Compression Resistance	Shear Resistance	Fire Property	Closed Cell content
40-45 Kg/m ³ (as per BSEN 1602: 1997)	Greater than 100 kpa (as per BSEN 1608: 1997)	Greater than 120 kpa (as per ASTM C165 : 2000)	>100 kpa (as per ASTM 271/ 271M)	B2/ B1 as per DIN 4102 - 1	> 94%



THOMAS BELL-WRIGHT APPROVED PRODUCT SPECIFICATION - ASTM E84-19a

Description	Reference	PIR Foam Density	Thickness (mm)	Classification
Pre-painted galvanized steel faced Polyisocyanurate (PIR) core sandwich panel with "35/250" trapezoidal profile	AM RP 35/250 [®]	38-40 kg/m ³	50 ± 3	Class A (FSI: 15, SDI: 190)

