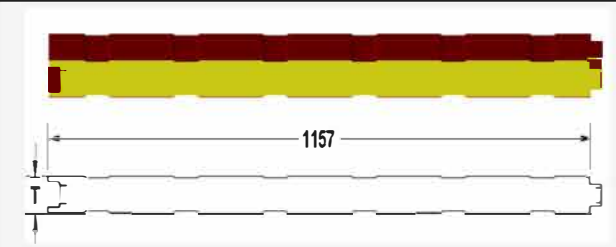
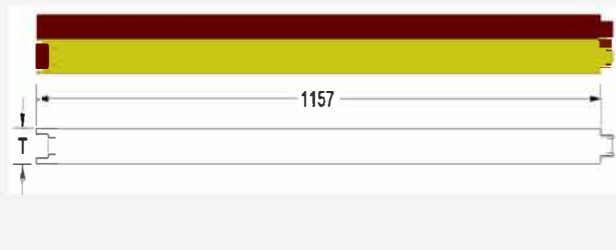
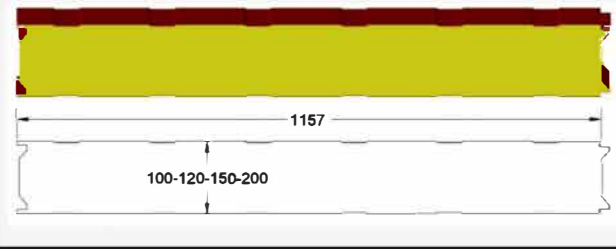
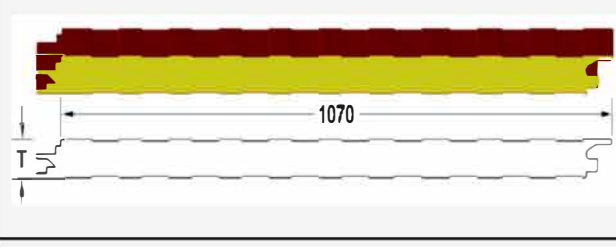
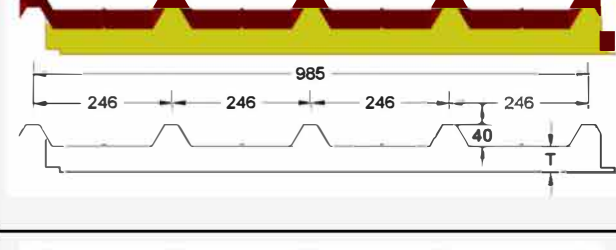
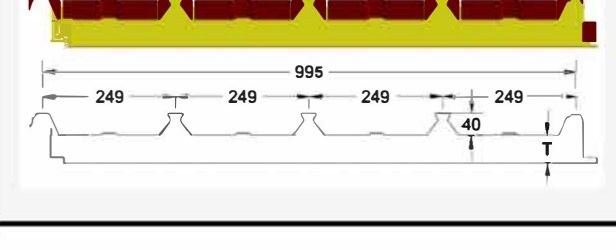


SANDWICH PANEL PROFILES



			Description
	Type	WSP-1157	Wall type sandwich panels, with visible fastening tongue-groove, to be installed vertically or horizontally, micrib on both sides
	Effective width (mm)	1157	
	PU/PIR Thickness T (mm)	50, 80, 100	
	MWF Thickness T (mm)	50, 80, 100, 120, 150, 160, 200	
	Type	WSPF-1157	Wall type sandwich panels, with visible fastening tongue-groove, to be installed vertically or horizontally, flat on 2 sides, maximum length 3000mm
	Effective width (mm)	1157	
	PU/PIR Thickness T (mm)	50, 80, 100	
	MWF Thickness T (mm)	--	
	Type	WSC-1157	Cold Store sandwich panels, Insulating panel for freezers and cold stores, for walls and suspended ceilings, double tongue-groove, micrib on both sides
	Effective width (mm)	1157	
	PU Thickness T (mm)	100, 120, 150, 200	
	MWF Thickness T (mm)	--	
	Type	WSPH-1070	Wall type sandwich panels with hidden fastening. To be installed on walls vertically or horizontally, micrib on both sides
	Effective width (mm)	1070	
	PU Thickness T (mm)	50, 80, 100	
	MWF Thickness T (mm)	--	
	Type	RSP-985	Roof type sandwich panels, high profile roof panel
	Effective width (mm)	985	
	PU Thickness T (mm)	50, 80, 100, 120	
	MWF Thickness T (mm)	--	
	Type	SL-RSP-995	Solar Fixation type roof sandwich panels, high profile roof panel
	Effective width (mm)	995	
	PU Thickness T (mm)	50, 80, 100	
	MWF Thickness T (mm)	50, 80, 100, 120, 150, 160, 200	
Base material		Prepainted Galvanized steel, Aluzinc, Aluminum	
PVDF, other base materials, colors & thicknesses available upon			

	PUR	PIR	MWF
	Core made of stiff polyurethane foam	Core made of stiff polyisocyanurate foam	Core made of mineral wool
Core density ($\pm 3 \text{ kg/m}^3$)	38-40	40-42	100
Thermal conductivity ($\text{W/m}^* \text{K}$)	0.022	0.023	0.035
Compressive Strength (kPa)	180	180	15
Closed Cell Content	$\geq 96\%$	$\geq 96\%$	0
Typical fire resistance class	EI 15	EI 15/EI30	E120
Specific acoustic resistance coefficient R_w	27	27	31

SANDWICH PANEL CORE TYPE

DSI Roof Type

Core Thickness (mm)	50	80	100	120	150
Effective width (mm)	1157				
Weight 0.35/0.35 (kg/m^2)	7.32	8.30	8.96	9.61	10.60
Weight 0.45/0.45 (kg/m^2)	9.28	10.26	10.92	11.57	12.56
U ($\text{W/m}^2 \text{K}$) PUR	0.440	0.275	0.220	0.183	0.147
U ($\text{W/m}^2 \text{K}$) PIR	0.460	0.288	0.230	0.192	0.153
R ($\text{m}^2 \text{K/W}$) PUR	2.273	3.636	4.545	5.455	6.818
R ($\text{m}^2 \text{K/W}$) PIR	2.174	3.478	4.348	5.217	6.522
PUR Reaction to Fire	C-s2 d0				
PIR Reaction to Fire	B-s2, d0		B-s2, d0		

DSI Wall Type

Core Thickness (mm)	50	80	100	120	150
Effective width (mm)	1157				
Weight 0.35/0.45 (kg/m^2)	9.49	10.66	11.44	12.23	13.40
Weight 0.35/0.35 (kg/m^2)	8.47	9.65	10.43	11.22	12.39
U ($\text{W/m}^2 \text{K}$) PUR	0.361	0.242	0.198	0.168	0.137
U ($\text{W/m}^2 \text{K}$) PIR	0.377	0.253	0.207	0.176	0.143
R ($\text{m}^2 \text{K/W}$) PUR	2.773	4.136	5.045	5.955	7.318
R ($\text{m}^2 \text{K/W}$) PIR	2.652	3.957	4.826	5.696	7.000
PUR Reaction to Fire	C-s2, d0				
PIR Reaction to Fire	B-s2, d0		B-s2, d0		

MECHANICAL PROPERTIES

Outer Sheet (mm)	Inner Sheet (mm)	Core thickness (mm)	Multi span				
			Uniformly Distributed Loads (kg/m^2)				
			Span (m)				
			1.00	1.50	2.00	2.50	3.00
0.5	0.4	40	434	241	167	128	86
		50	527	300	211	152	102
		80	713	430	311	214	152
		100	805	498	364	256	186
		120	886	558	411	298	220
		150	994	640	472	361	272

LOAD TABLE

*Self Weight, live load, wind load and temperature are taken into consideration.

*These values are based on tests conducted on equivalent panel profiles and composition.

* L/200 is used as the deflection limit.