

1.9 POLYURETHANE/PIR INSULATED ROOF PANEL

Composite roof panel with polyurethane/PIR insulation core.
Provides thermal insulation for sales higher than 7%.



Technical Specifications	SPC 1000 3R	SPC 1000 5R	SPC 950
Useful Width (mm)	1000		950
Rib Height (mm)	35		55
Rib Count	3	5	4
Sheet Type and Thickness (mm)	Painted Galvanized Sheet (0,40 - 0,50 - 0,60 - 0,70 - 0,80)		
Paint Type	Polyester PVdF		
Colour	RAL 9002*		
Texture	Trapeze		
Insulation	Polyurethane/PIR		
Insulation Thickness (mm) - h	35 - 40 - 50 - 60 - 75 - 80 - 100		
Declared Thermal Conductivity (W/MK) ^o	≤ 0,023		
Reaction to Fire	B-s2, d0		

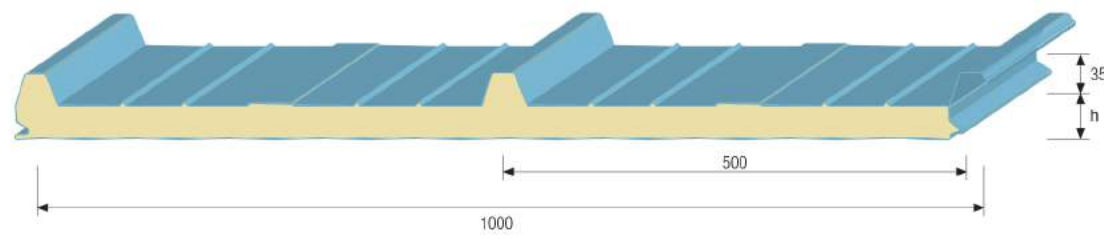
*It is the standard colour. Other colours are produced on demand.

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1.9 PANEL DETAIL

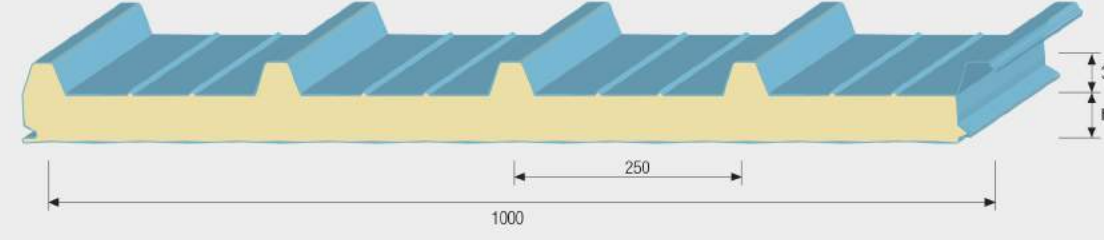
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Load Table

SPC 1000 3R POLYURETHANE/PIR INSULATED ROOF PANEL		Multi Support Span (L/200 L=m)							
Panel Thickness (mm)	Panel weights (kg/m²)	1,0	1,5	2,0	2,5	3,0	3,5	4,0	
		Distributed Load Bearing (P=kg/m²)							
40	9,3	610	323	279	203	126	94	61	
50	9,7	677	358	308	230	153	116	79	
60	10,1	782	400	348	265	183	138	93	
75	10,7	938	510	501	380	259	203	146	
80	10,9	1032	550	521	398	274	213	153	
100	11,7	1238	686	695	530	365	289	214	

Values on the table apply to the sheet thickness of 0,50 (top) + 0,50 (bottom)
Insulated panel weights may vary depending on sheet thickness tolerances.



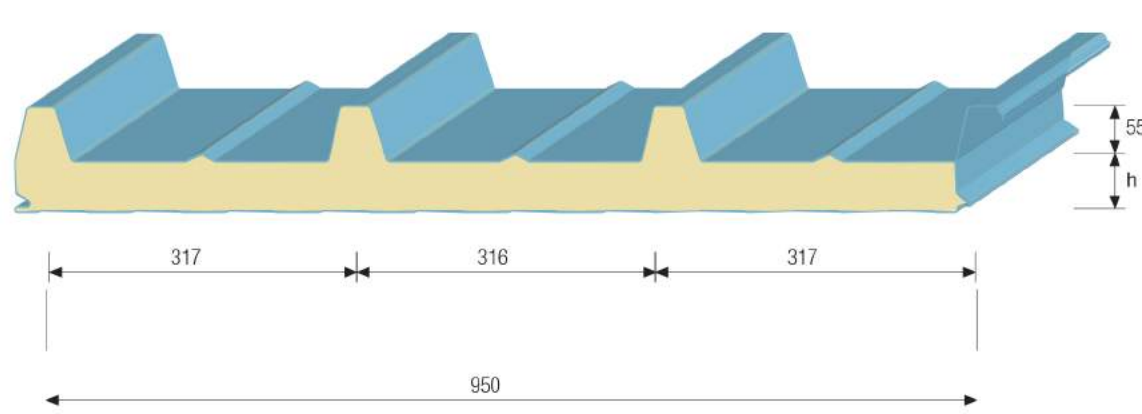
Load Table

SPC 1000 5R POLYURETHANE/PIR INSULATED ROOF PANEL		Multi Support Span (L/200 L=m)							
Panel Thickness (mm)	Panel weights (kg/m²)	1,0	1,5	2,0	2,5	3,0	3,5	4,0	
		Distributed Load Bearing (P=kg/m²)							
40	10,6	1250	577	336	239	143	111	80	
50	11,0	1388	640	371	289	208	156	105	
60	11,4	1587	698	393	309	225	176	128	
75	12,0	1905	876	578	453	329	259	189	
80	12,2	2095	947	589	463	338	269	200	
100	13,0	2514	1165	785	618	450	361	273	

Values on the table apply to the sheet thickness of 0,50 (top) + 0,50 (bottom)
Insulated panel weights may vary depending on sheet thickness tolerances.

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1.9 PANEL DETAIL

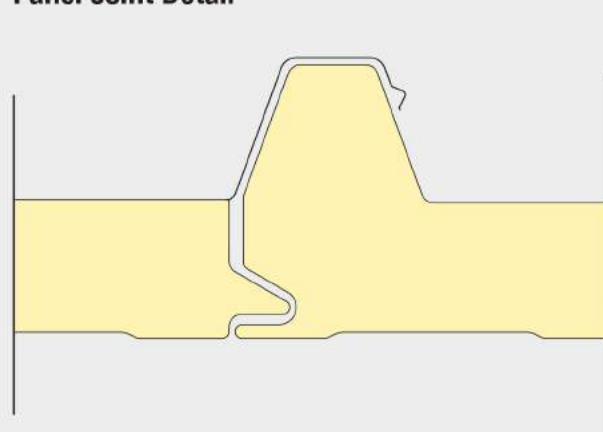


Load Table

SPC 950 4R POLYURETHANE/PIR INSULATED ROOF PANEL		Multi Support Span (L/200 L=m)							
Panel Thickness (mm)	Panel weights (kg/m²)	1,0	1,5	2,0	2,5	3,0	3,5	4,0	
		Distributed Load Bearing (P=kg/m²)							
40	11,2	1640	753	430	316	201	154	108	
50	11,6	1804	846	523	385	248	192	136	
60	12,0	2064	921	548	417	286	221	155	
75	12,6	2477	1160	809	609	410	314	219	
80	12,8	2724	1251	821	625	429	329	228	
100	13,6	3269	1541	1095	834	573	437	301	

Values on the table apply to the sheet thickness of 0,50 (top) + 0,50 (bottom)
Insulated panel weights may vary depending on sheet thickness tolerances.

Panel Joint Detail



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Fully certified* protection against fire!

İzocam Tekiz Stone Wool Insulation Roof Panel has REI 120, and Stone Wool Insulation Facade Panel has EI 60 and EI20 fire-resistance certificates.



Fully Certified Protection: According to the Regulation on Fire Protection of Buildings, roof panels should provide the defined fire endurance periods in all of the load bearing capacity (R), integrity (E) and insulation (I) criteria. One of these to be missing indicates that the certificate is not in compliance with the fire regulation.

And in wall panels, both integrity (E) and **insulation (I)** criteria should be met. Unmet insulation criterion means incomplete or inadequate certificate.