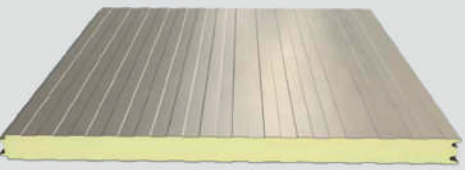
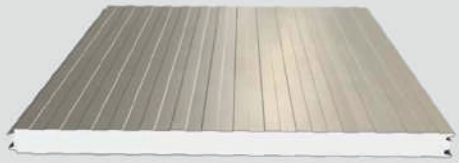
RTE TRADING

Import - Export

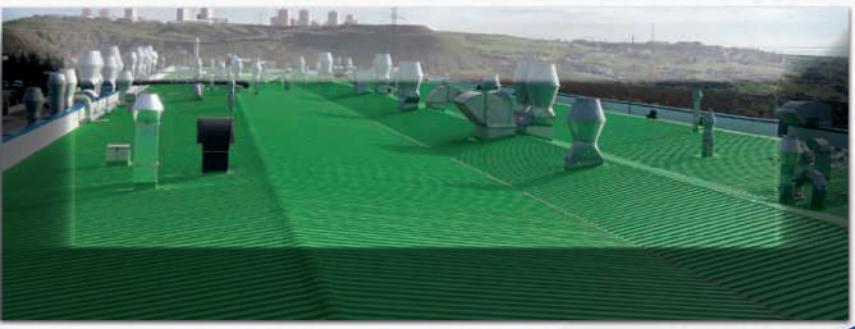












PANEL CATALOG 2025

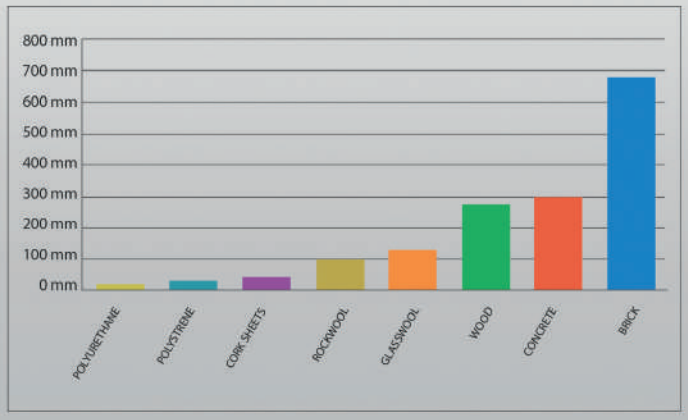
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Advantages:

- Adopting to expansion on metal surface due to heat effect,
- Provides better adhesion between metal surface and foam,
- Low dust emission and has a flexible structure.



PUR PROPERTIES

INCOMBUSTIBILITY CLASS	B-s2-d0
THECOEFFICIENTof THERMALCONDUCTIVITY	0,024 W/mK

ROCKWOOL PROPERTIES

INCOMBUSTIBILITY CLASS	A2-s1-d0
THECOEFFICIENT of THERMALCONDUCTIVITY	0,040 W/mK

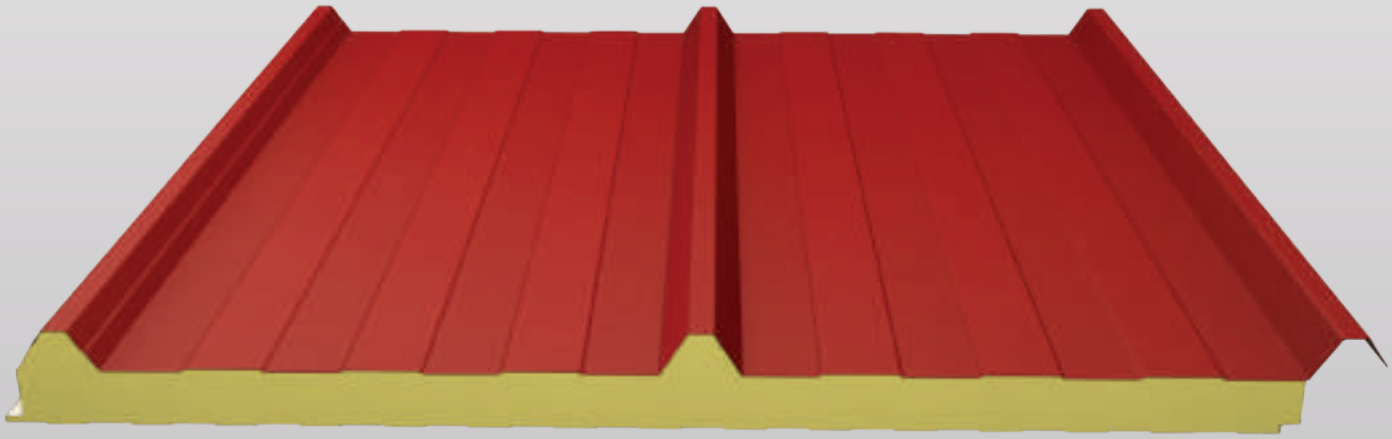
The Thermal Conductivity (R) of Material in Sizes of 2,5 cm and 40 kg/CBM

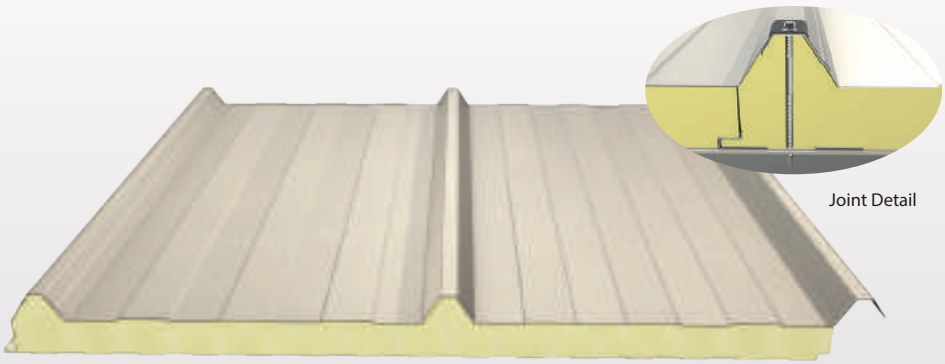
POLYURETHENE (PUR)	0,024
POLYSTYRENE	0,029
ROCKWOOL	0,040

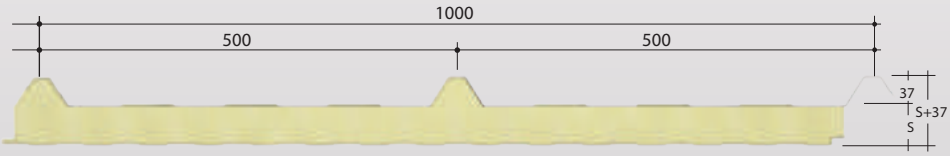
Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products	
Fire Class	Definition
A1	A1 class materials, do not contribute to combustion at any stage of the fire including the fully developed fire. Therefore, it is automatically considered to provide all the properties determined enough to lower grades of these materials.
A2	TS EN 13823 provides the criteria set according to Class B. In addition, these materials under fully developed fire must be contributing significantly to the fire load and fire growth.
B	In addition to the criteria set for the C-Class it provides more stringent requirements.
C	In addition to the defined criteria for class D it provides more stringent requirements. In addition, a single burning item in the lateral spread of flame made against thermal attack should remain a limited extent.
D	Provide the criteria for Class E and significantly resistant materials for a long time against a small flame attack without flame propagation. Additionally, it has been sufficiently limited and must be resistant to temperature reveal thermal attack carried out by a single burning object conditions.
E	Significantly materials that resist a short time in front of a small flame attack without flame propagation.
F	Determination of fire performance and has A1, A2, B, C, D, E class classification as one of the materials.
Additional classifications for smoke formation	
s3	Without any restriction in terms of smoke production
s2	Besides total smoke production growth rate of smoke production, which has been limited
s1	Providing more severe criteria than s2
Burning drops / Additions to grain Classifications	
d2	No restrictions
d1	Longer than a specified period of flaming droplets / particles should not have
d0	Burning droplets / particles should not occur

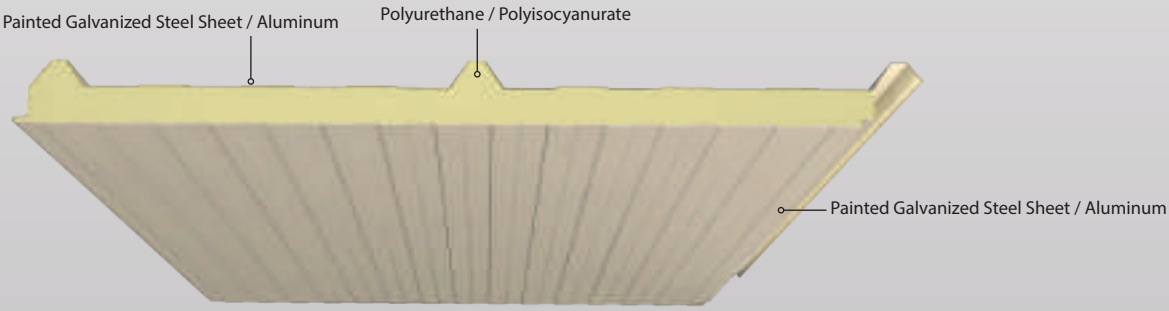
Except for flooring Building Materials Flamability Equivalence Classes		
The material Flamability Feature	According to TS EN 13501-1	TS 1263
Fireproof	A1	A1
Difficult Combustive	A2 - s1, d0	A2
Difficult Flaming	B, C - s1, d0	B1
	A2 - s2, d0 A2, B, C - s3, d0	
	A2, B,C - s1, d1 A2, B,C - s1, d2	
Minimum	A2, B, C – s3, d2	
Normal Flaming	D - s1, d0 D - s2, d0 D - s3, d0 E	B2
	D - s1, d2 D - s2, d2 D - s3, d2	
Minimum	E - d2	
Easy Flaming	F	B3

ROOF PANELS

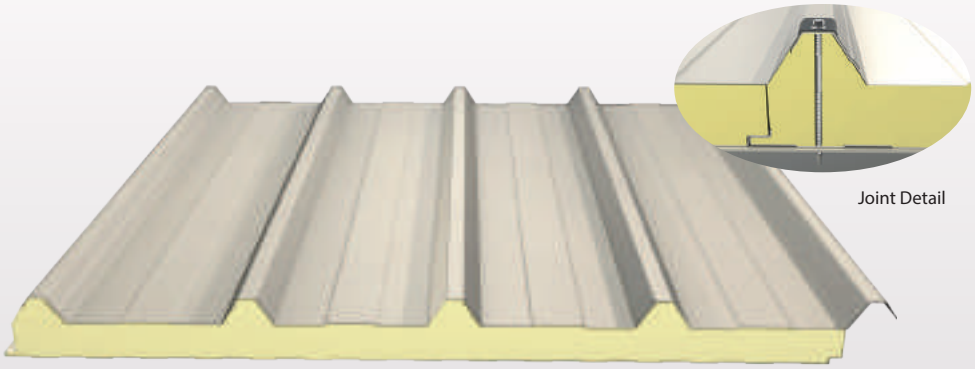


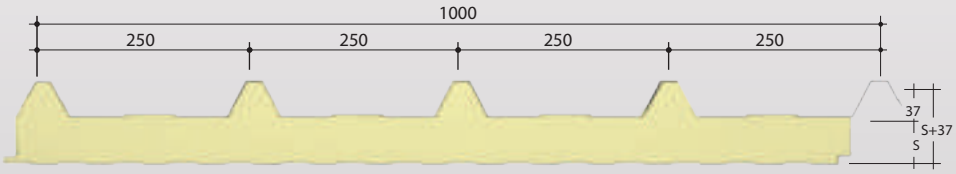


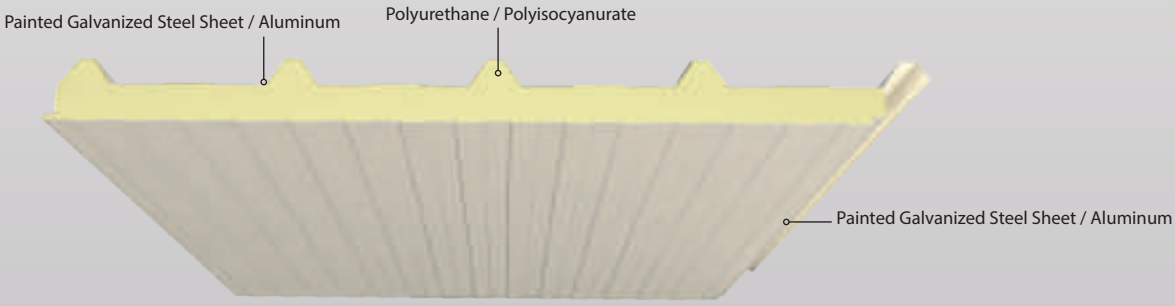




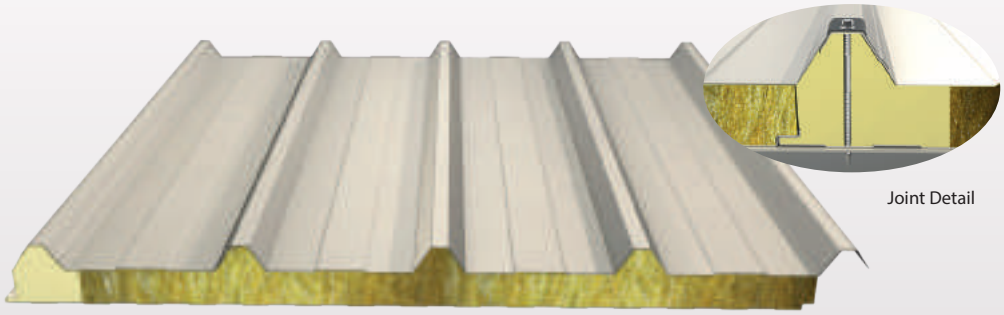
Technical Spesifications	NRP3AA - NRP3SS
Number of Ribs	3
Height of Ribs	37 mm
Width	1000 mm
Minimum / Maximum Length	2,5 m -15,5 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	30-40-50-60-70-80-100-120 mm
Insulation Type	Polyurethane-Polyisocyanurate
Maximum Thermal Conductivity	0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	38-40 kg/m^3 PUR 38-40 kg/m^3 PIR

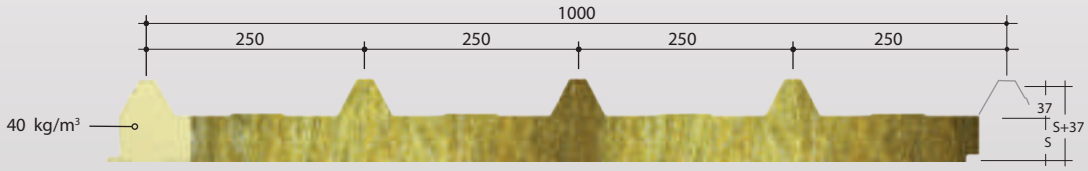


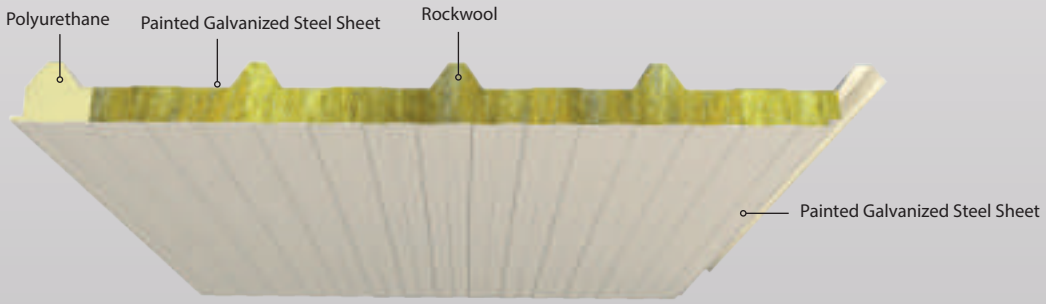




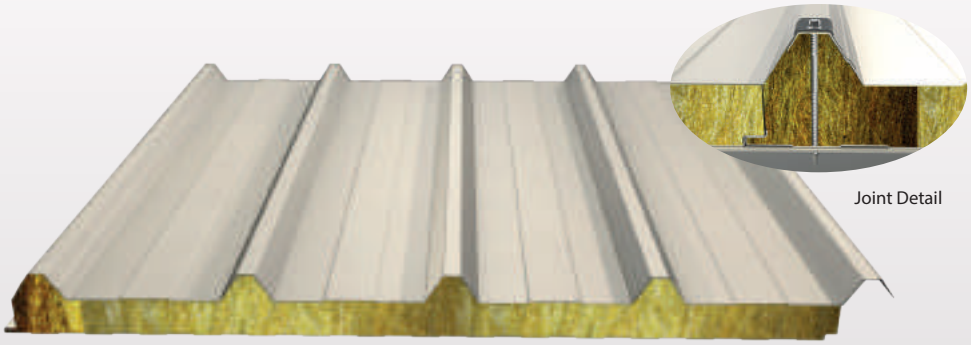
Technical Spesifications	NRP5AA - NRP5SS
Number of Ribs	5
Height of Ribs	37 mm
Width	1000 mm
Minimum / Maximum Length	2,5 m -15,5 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	30-40-50-60-70-80-100-120 mm
Insulation Type	Polyurethane-Polyisocyanurate
Maximum Thermal Conductivity	0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	38-40 kg/m^3 PUR 38-40 kg/m^3 PIR

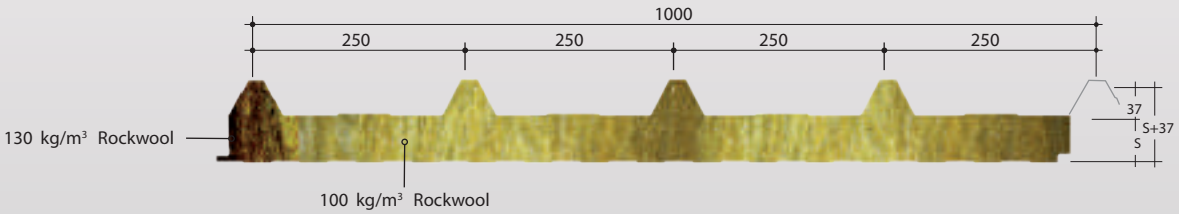


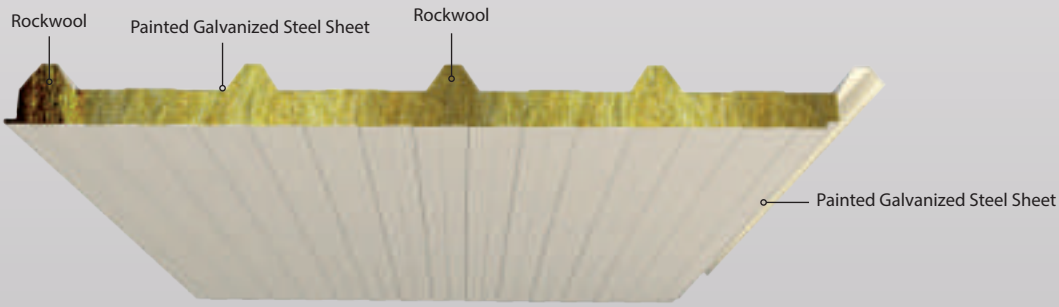




Technical Spesifications	NRP5STS
Number of Ribs	5
Height of Ribs	37 mm
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	40-50-60-70-80-100-120 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m³

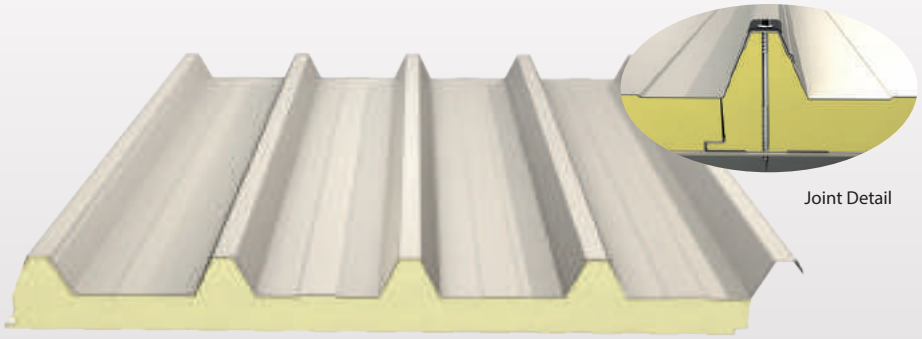


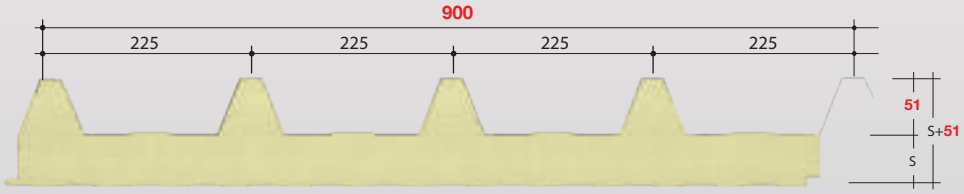


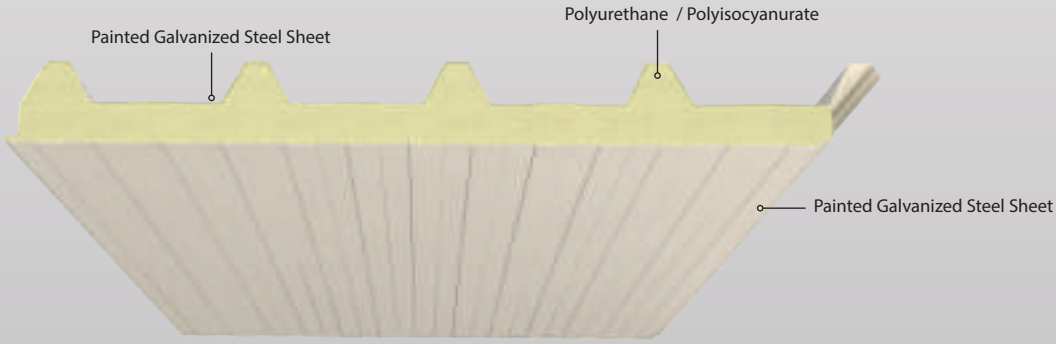


NEW!

Technical Spesifications	NRP5STS-FR
Number of Ribs	5
Height of Ribs	37 mm
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	40-50-60-70-80-100-120 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m³ (Joint part: 130 kg/m³)

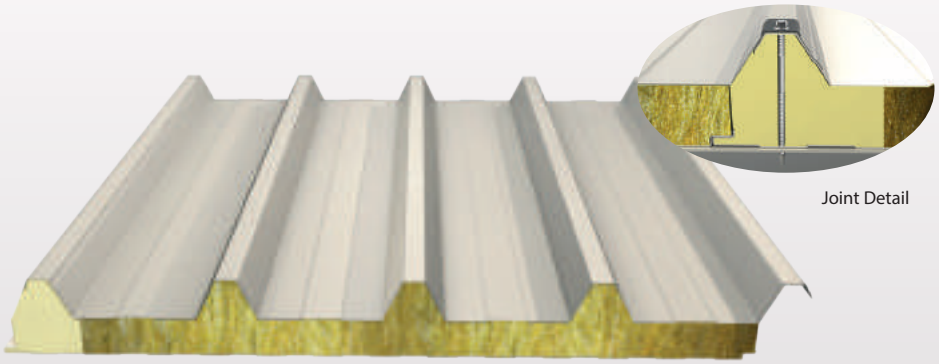


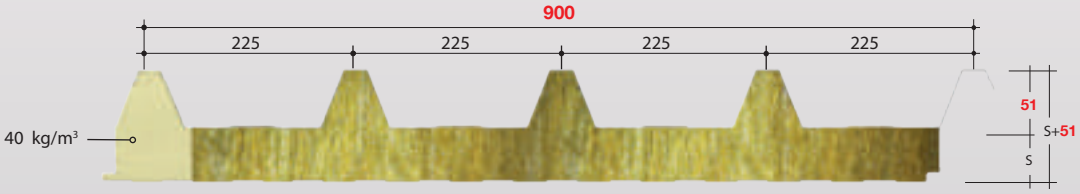


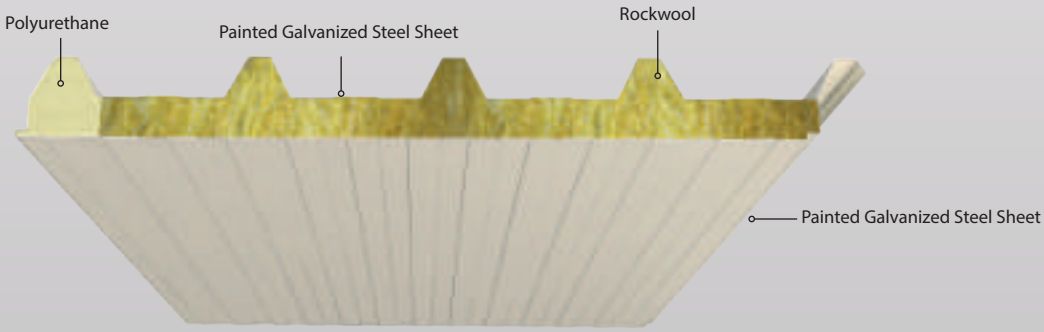


NEW!

Technical Spesifications	NRP5SS /900
Number of Ribs	5
Height of Ribs	51 mm
Width	900 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	50 - 60 - 70 - 80 - 90 - 100 - 120 mm
Insulation Type	Polyurethene-Polyisocyanturate
Maximum Thermal Conductivity	0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	38-40 kg/m^3 (PUR) - 38-40 kg/m^3 (PIR)

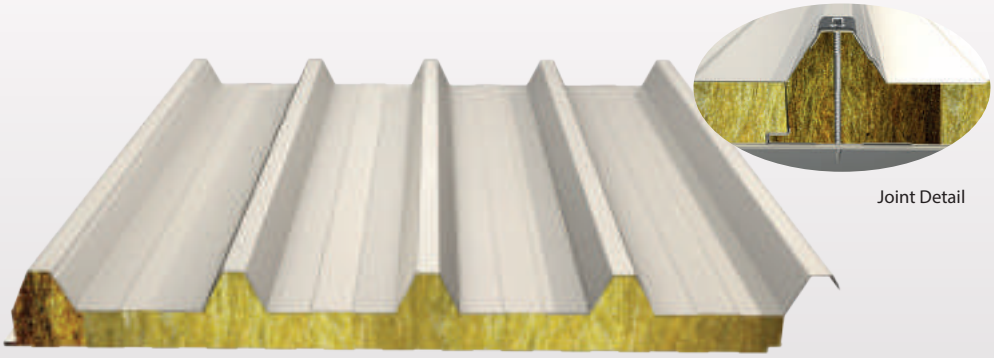


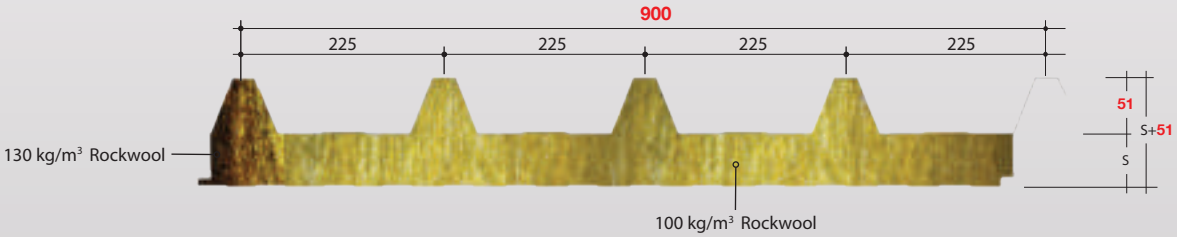


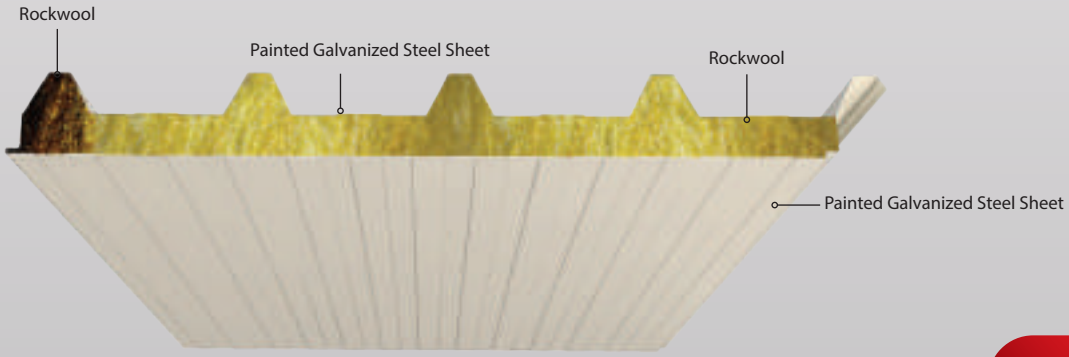


NEW!

Technical Spesifications	NRP5STS /900
Number of Ribs	5
Height of Ribs	51 mm
Width	900 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	50 - 60 - 70 - 80 - 90 - 100 - 120 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m³ Rockwool 38-40 kg/m³ (PUR)







NEW!

Technical Spesifications	NRP5STS-FR /900
Number of Ribs	5
Height of Ribs	51 mm
Width	900 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	50 - 60 - 70 - 80 - 90 - 100 - 120 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m³ (Joint part: 130 kg/m³)

NRP31SS								
							Span (L/200)	
Insulation Thickness	Upper Steel Sheet	Bottom Steel Sheet	100	150	200	250	300	350
			Load (P=kg/m²)					
40	0.50	0.40	433	270	180	121	80	52
		0.50	436	273	193	124	83	56
50	0.50	0.40	456	283	191	130	86	59
		0.50	459	286	194	133	89	62
60	0.50	0.40	478	297	200	136	91	63
		0.50	481	300	218	139	94	66
80	0.50	0.40	524	323	219	148	99	67
		0.50	527	325	222	151	102	70
100	0.50	0.40	574	352	238	158	108	73
		0.50	577	355	341	161	111	76
120	0.50	0.40	622	382	258	170	116	80
		0.50	625	385	261	173	119	83

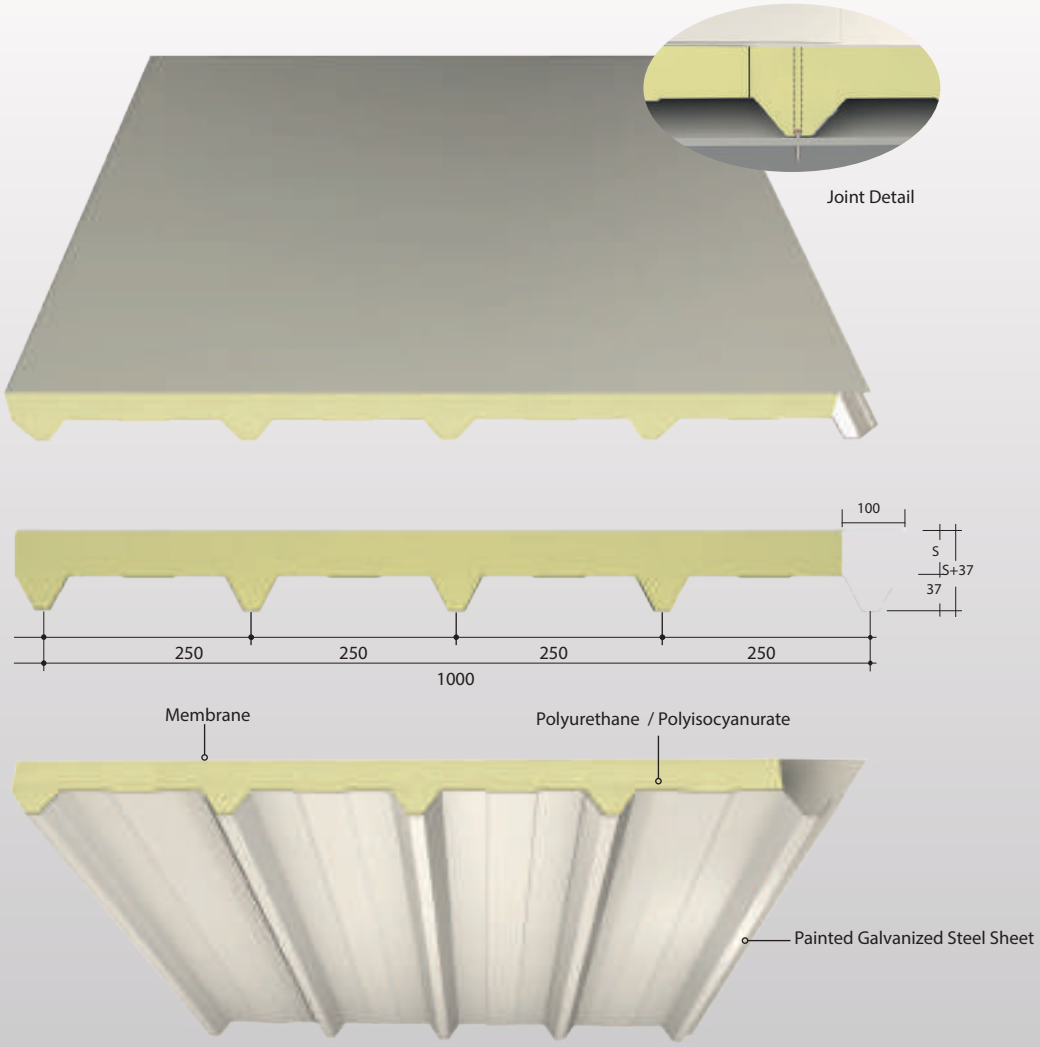
NRP51SS								
							Span (L/200)	
Insulation Thickness	Upper Steel Sheet	Bottom Steel Sheet	100	150	200	250	300	350
			Load (P=kg/m²)					
40	0.50	0.40	702	421	274	178	116	75
		0.50	705	424	277	181	119	78
50	0.50	0.40	772	463	301	196	127	83
		0.50	775	466	304	199	130	86
60	0.50	0.40	849	510	331	215	140	91
		0.50	852	535	334	226	143	94
80	0.50	0.40	934	561	364	237	154	100
		0.50	937	589	367	249	157	103
100	0.50	0.40	1028	617	401	261	169	110
		0.50	1031	648	404	274	172	113
120	0.50	0.40	1131	678	441	287	186	121
		0.50	1134	712	444	301	189	124

ROOF PANEL									
ROCKWOOL INSULATED / HYBRID WITH 5 RIBS									
NRP 51 STS / NRP 51 STS-FR			SPAN (L/200 L=m)						
Polyurethane Thickness (mm)	Upper Steel Sheet (mm)	Bottom Steel Sheet (mm)	L - Span (cm)						
			120	160	200	240	280	320	360	400
			P- Load (kg/m²)							
40	0.50	0.40	539	378	281	215	169	135	110	81
		0.50	547	386	289	223	176	141	114	85
	0.60	0.40	541	381	284	218	172	138	111	89
		0.50	549	389	292	226	180	144	119	94
50	0.50	0.40	690	488	364	282	223	180	147	97
		0.50	698	495	373	290	232	188	154	100
	0.60	0.40	691	491	368	285	227	183	151	104
		0.50	699	499	376	295	237	193	158	107
60	0.60	0.50	1234	640	398	292	211	190	139	101
100	0.60	0.50	1299	698	450	333	253	199	161	133

ROOF PANELS with MEMBRANE

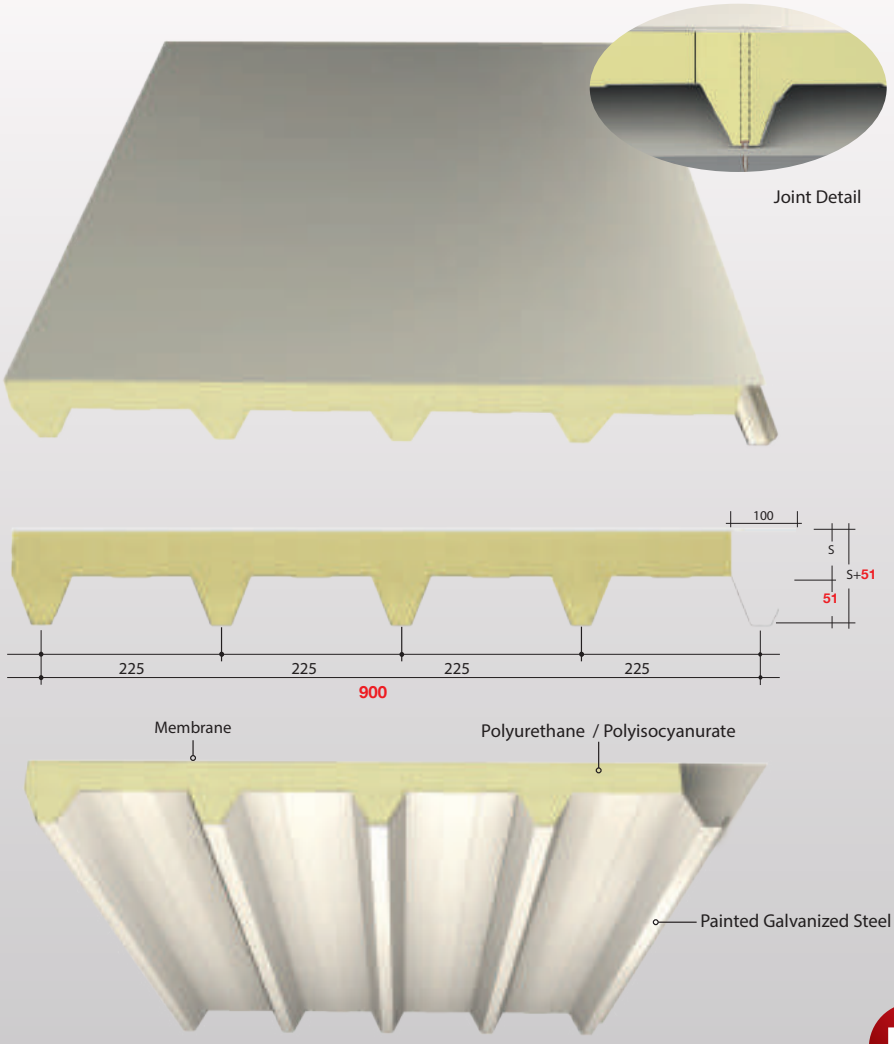


ROOF PANEL WITH MEMBRANE



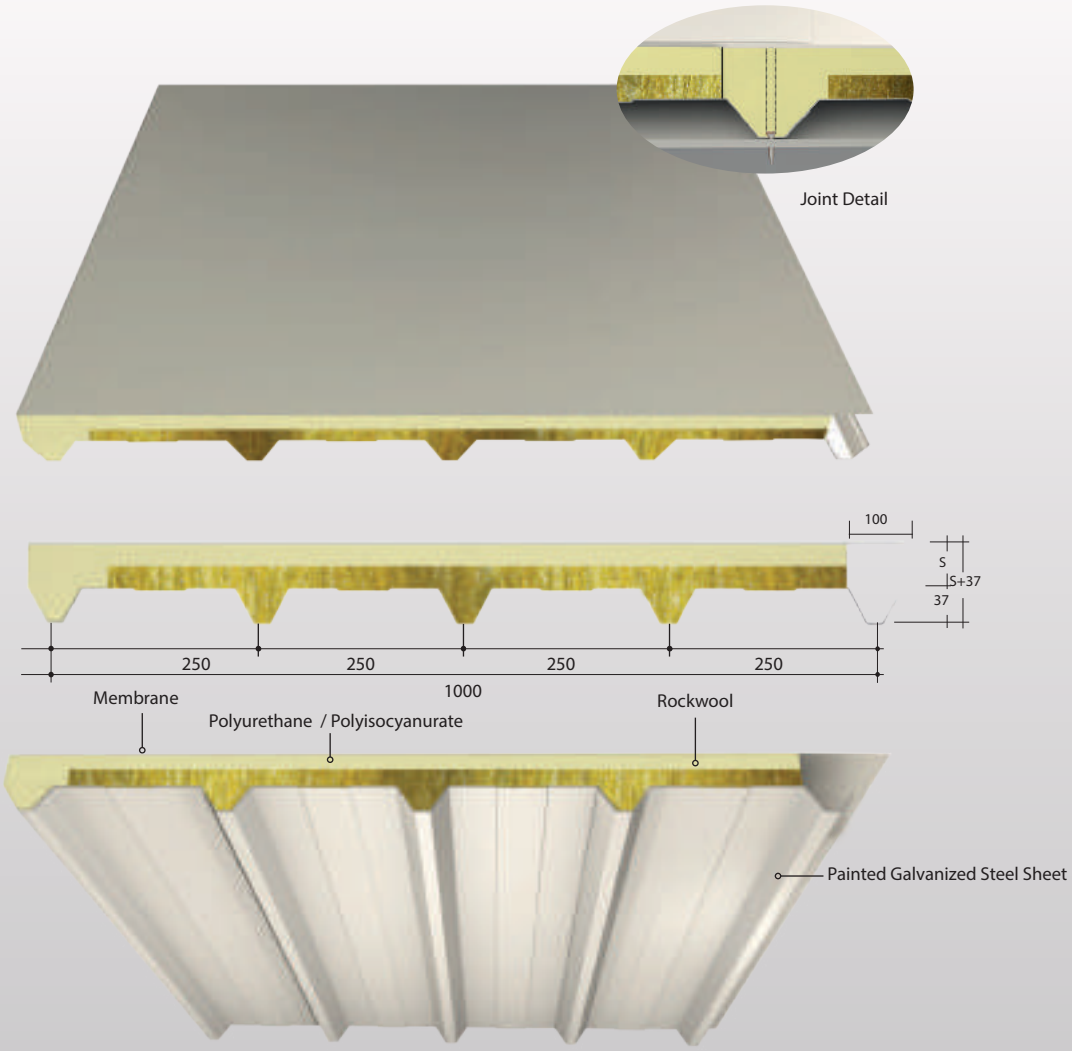
Technical Spesifications	NRP5SM
Number of Ribs	5
Height of Ribs	37 mm
Width	1000 mm
Height of Membrane	1100 mm
Type of Membrane	PVC-TPO
Thickness of Membrane	1.20 - 1.50 mm
Minimum / Maximum Length	2,5 m / 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	30 - 40 - 50 - 60 - 70 - 80 - 100 - 120 mm
Insulation Type	Polyurethane / Polyisocyanurate
Maximum Thermal Conductivity	0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	40-42 kg/m^3 (PUR) 40-42 kg/m^3 (PIR)

ROOF PANEL WITH MEMBRANE (51/900 Deep-Ribbed)



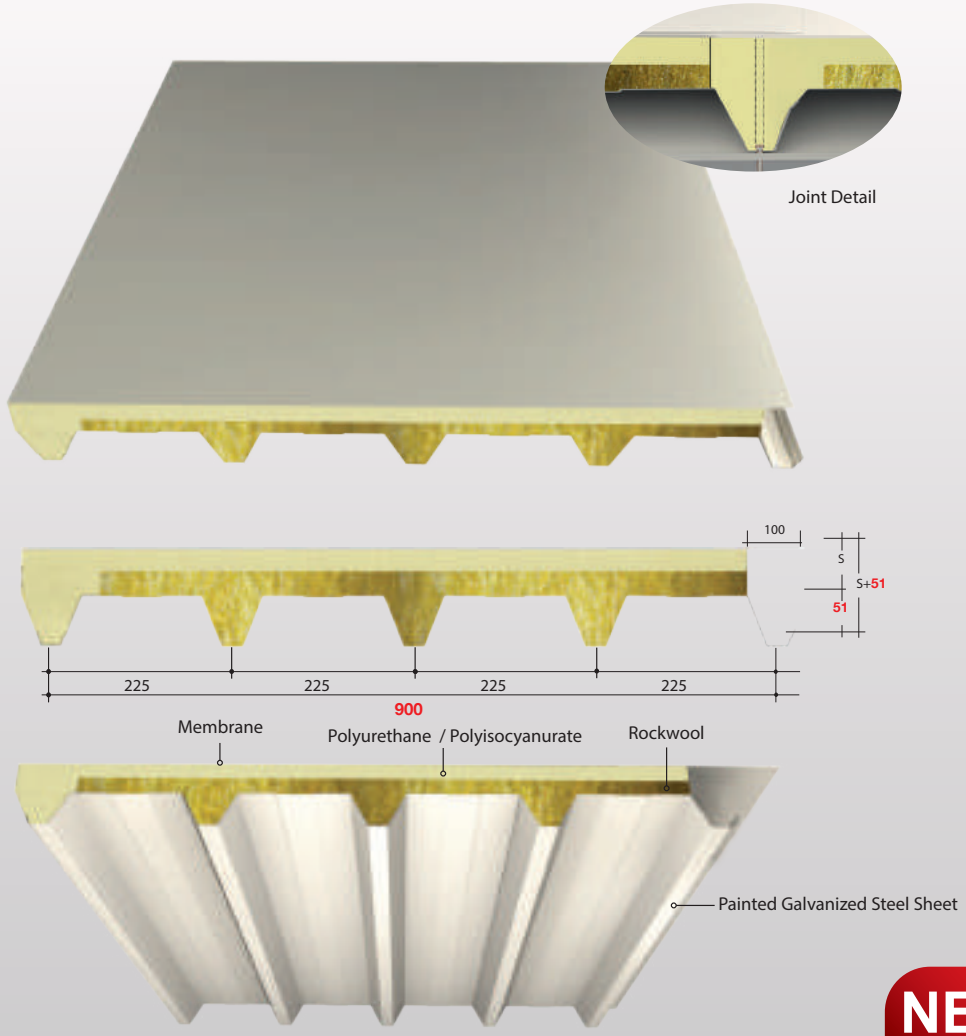
NEW!

Technical Spesifications	NRP5SM /900
Number of Ribs	5
Height of Ribs	51 mm
Width	900 mm
Height of Membrane	1000 mm
Type of Membrane	PVC-TPO
Thickness of Membrane	1.20 - 1.50 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	50 - 60 - 70 - 80 - 90 - 100 - 120 mm
Insulation Type	Polyurethane / Polyisocyanurate
Maximum Thermal Conductivity	0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	40-42 kg/m^3 (PUR) 40-42 kg/m^3 (PIR)



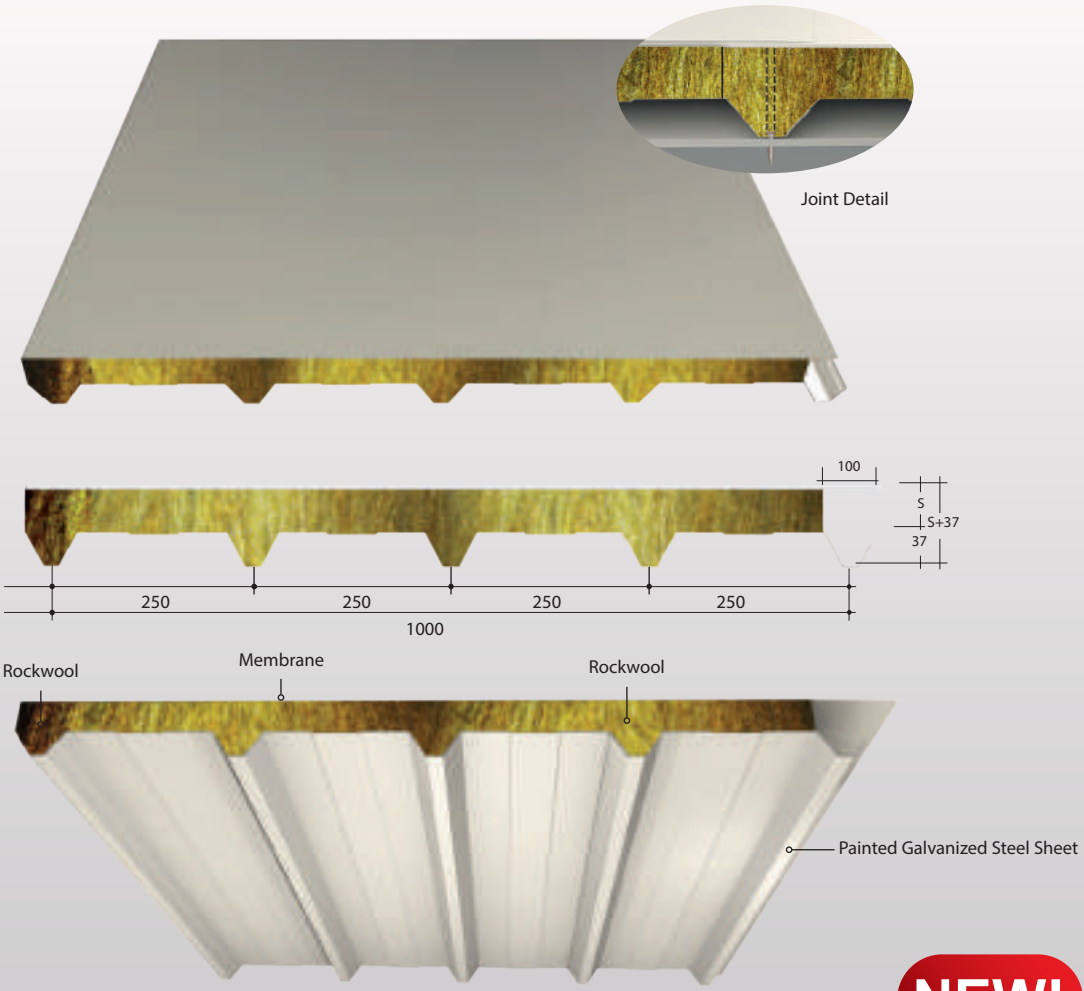
Technical Spesifications	NRP5STM
Number of Ribs	5
Height of Ribs	37 mm
Width	1000 mm
Height of Membrane	1100 mm
Type of Membrane	PVC-TPO
Thickness of Membrane	1.20 - 1.50 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	TY 40 PUR 20 | 60 TY 50 PUR 20 | 70 TY 50 PUR 25 | 75 TY 60 PUR 20 | 80 TY 70 PUR 20 | 90 TY 75 PUR 25 | 100 TY 100 PUR 20 | 120
Insulation Type	Polyurethane / Polyisocyanurate + Rockwool+ Membrane
Maximum Thermal Conductivity	Rockwool 0,040 W/m K / PUR / PIR 0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 or 130 kg/m^3 Rockwool / 45 - 47 kg/m^3 PUR

HYBRID ROOF PANEL WITH MEMBRANE (51/900 Deep-Ribbed)



NEW!

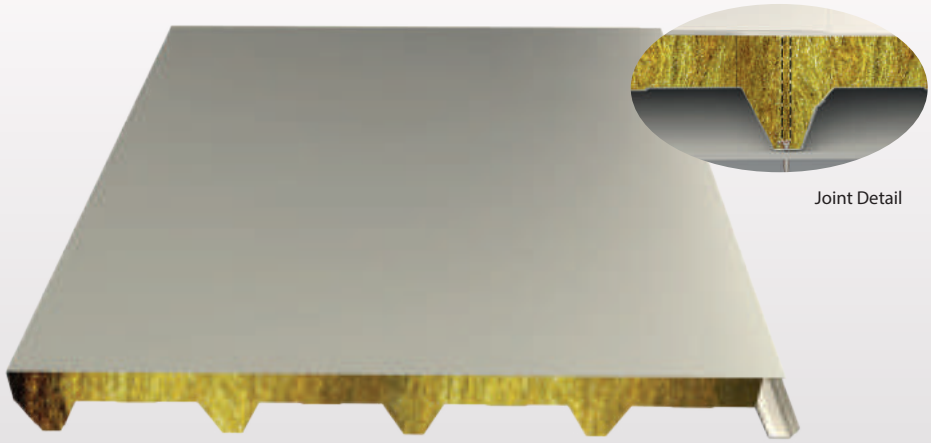
Technical Spesifications	NRP5STM /900
Number of Ribs	5
Height of Ribs	51 mm
Width	900 mm
Height of Membrane	1000 mm
Type of Membrane	PVC-TPO
Thickness of Membrane	1.20 - 1.50 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	TY 40 / PUR 20 | 60 TY 60 / PUR 20 | 80 TY 70 / PUR 20 | 90 TY 75 / PUR 25 | 100
Insulation Type	Polyurethane / Polyisocyanurate + Rockwool+ Membrane
Maximum Thermal Conductivity	Rockwool 0,040 W/m K / PUR / PIR 0,024 W/m K
Fire Class	Pur-Pır B-s2-d0 / Rockwool A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 or 130 kg/m³ Rockwool / 45 - 47 kg/m³ PUR

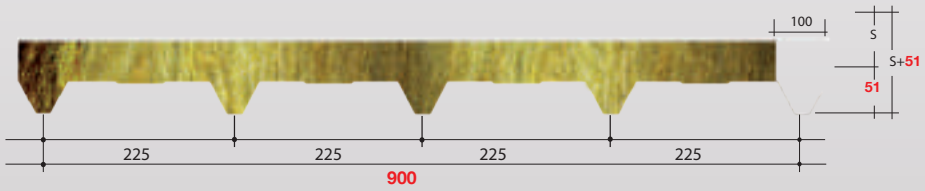


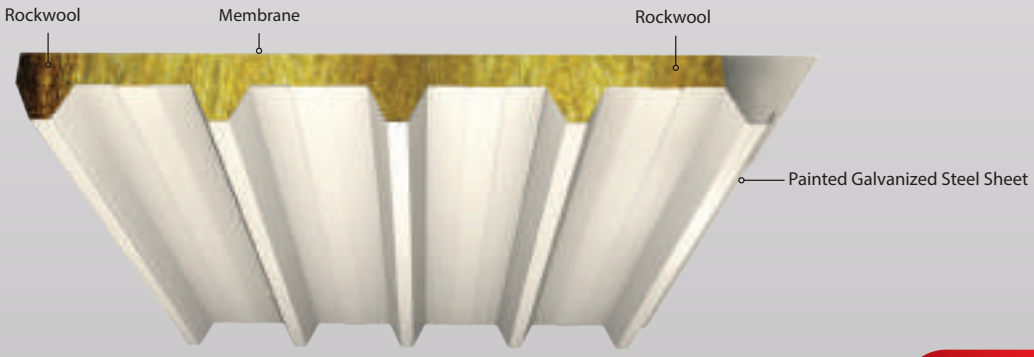
NEW!

Technical Spesifications	NRP5STM - FR
Number of Ribs	5
Height of Ribs	37 mm
Width	1000 mm
Height of Membrane	1100 mm
Type of Membrane	PVC-TPO
Thickness of Membrane	1.20 - 1.50 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	50 - 60 - 70 - 80 - 90 - 100 - 120 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	130 or 150 kg/m^3

ROOF PANEL WITH MEMBRANE (51/900 Deep-Ribbed)







NEW!

Technical Spesifications	NRP5STM /900
Number of Ribs	5
Height of Ribs	51 mm
Width	900 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	50 - 60 - 70 - 80 - 90 - 100 - 120 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	130 or 150 kg/m^3

NRP51SM50								
							Span (L/200)	
Insulation Thickness	Steel Sheet Thickness	100	150	200	250	300	350	400
		Load (P=kg/m²)						
50	0.60	548	242	139	89	62	39	27
50	0.70	638	278	164	105	73	51	32
50	0.80	762	334	193	123	86	61	38
50	0.90	902	396	224	147	102	74	47
50	1.00	1024	450	270	174	122	89	54

NRP51SM60							Span (L/200)	
Insulation Thickness	Steel Sheet Thickness	100	150	200	250	300	350	400
		Load (P=kg/m²)						
60	0.60	572	268	151	104	72	44	30
60	0.70	674	323	178	122	86	51	35
60	0.80	797	372	206	138	102	59	42
60	0.90	948	438	238	158	122	69	51
60	1.00	1109	518	278	188	145	82	58

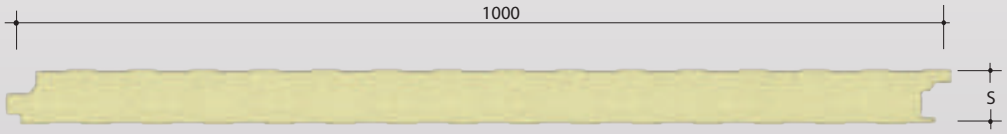
NRP51STM75							Span (L/200)	
Insulation Thickness	Steel Sheet Thickness	100	150	200	250	300	350	400
		Load (P=kg/m²)						
75	0.60	632	285	162	101	70	45	30
75	0.70	745	338	192	120	83	54	34
75	0.80	879	396	224	139	96	62	39
75	0.90	1024	462	263	162	112	72	46
75	1.00	1206	545	310	189	144	86	55

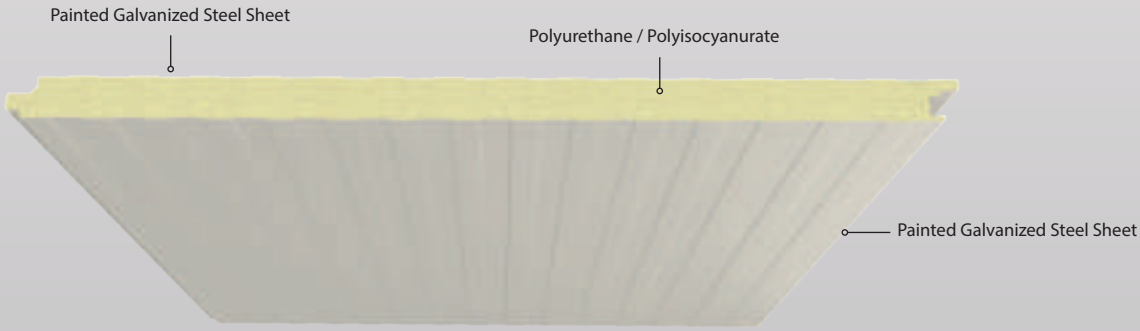
NRP51STM75 51-900							Span (L/200)	
Insulation Thickness	Steel Sheet Thickness	100	150	200	250	300	350	400
		Load (P=kg/m²)						
75	0.60	884	398	226	141	98	63	42
75	0.70	1038	469	266	166	115	72	49
75	0.80	1224	554	314	196	136	86	58
75	0.90	1445	652	371	231	161	103	70
75	1.00	1700	770	438	273	189	120	84

WALL PANELS

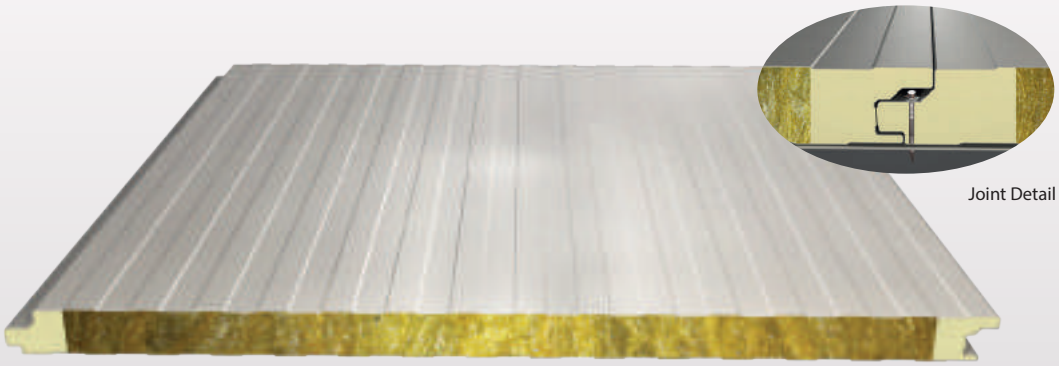




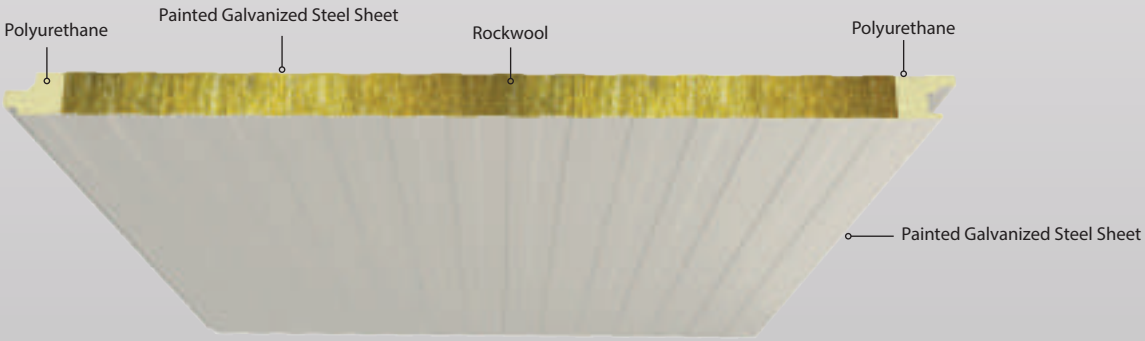




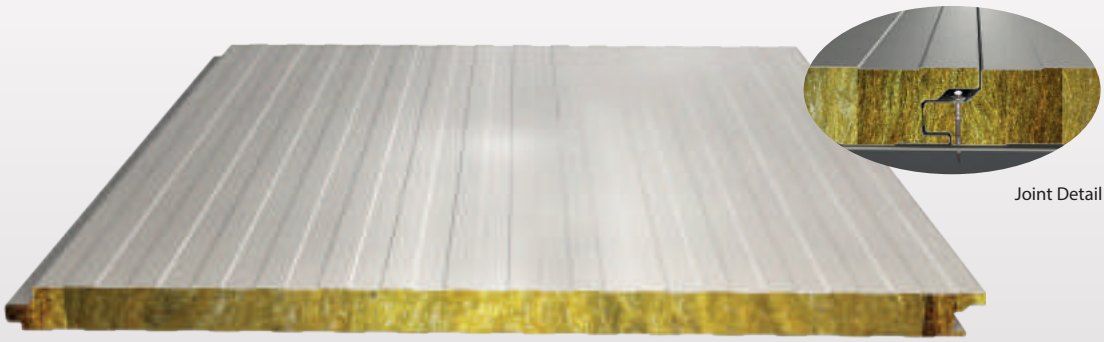
Technical Spesifications	NWP01SS
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	40 - 50 - 60 - 70 - 80 - 100 - 120 -150 mm
Insulation Type	Polyurethane / Polyisocyanurate
Maximum Thermal Conductivity	0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	38 - 40 kg/m^3 PUR 38 - 40 kg/m^3 PIR



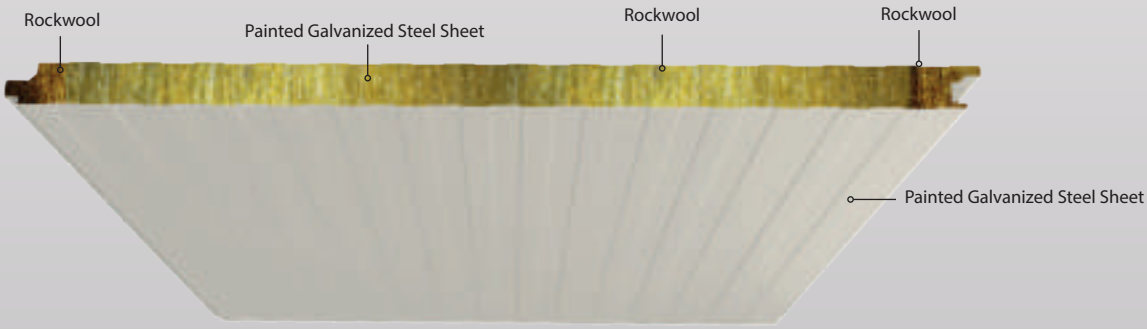




Technical Spesifications	NWP01STS
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	40 - 50 - 60 - 70 - 80 - 100 - 120 - 150 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m³ Rockwool

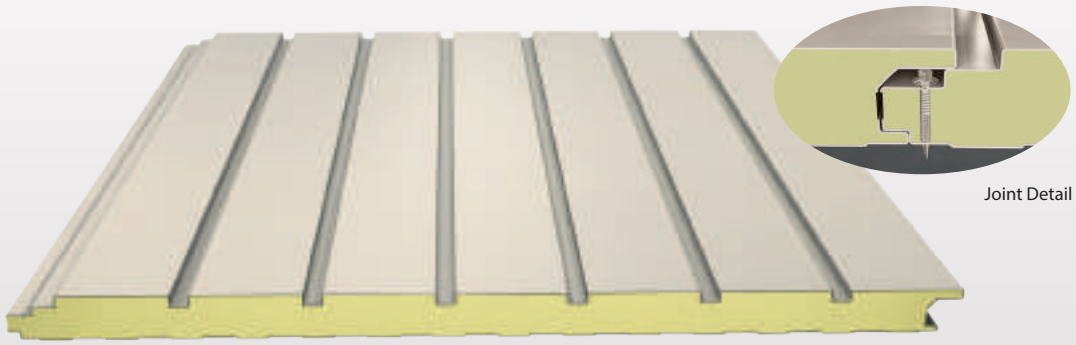


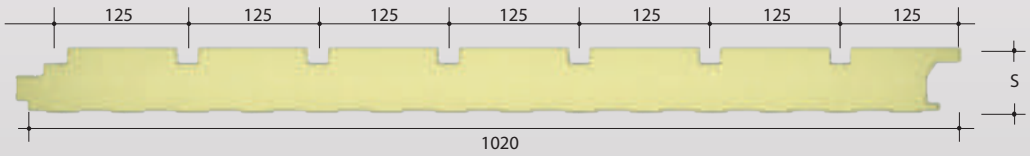


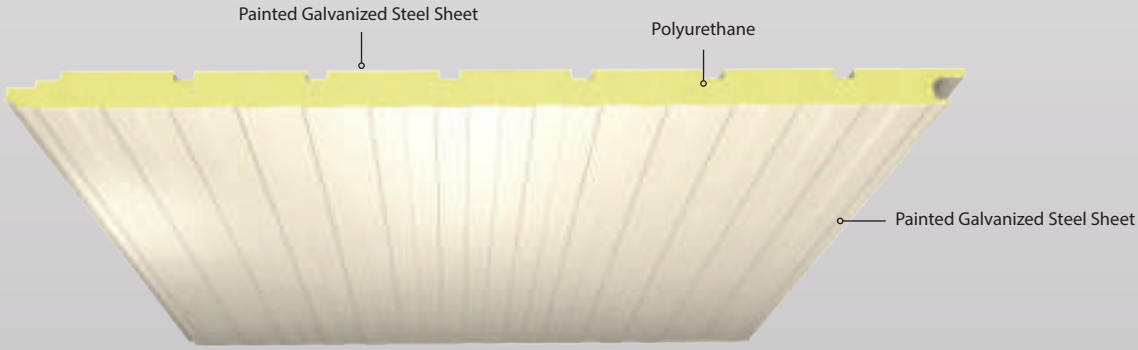


NEW!

Technical Spesifications	NWP01STS - FR
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	40 - 50 - 60 - 70 - 80 - 100 - 120 - 150 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m³ Rockwool (Joint part: 130 kg/m³)







NEW!

Technical Spesifications	NWP06SS
Number of Ribs	6
Height of Ribs	10 mm
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	40 - 50 - 60 - 70 - 80 - 100 - 120 - 150 mm
Insulation Type	Polyurethane / Polyisocyanurate
Maximum Thermal Conductivity	0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	38 - 40 kg/m^3 PUR

NWP01SS

Insulation Thickness	Upper Steel Sheet	Bottom Steel Sheet	Span (L/200) 100	150	200	250	300	350	400
			Load (P=kg/m²)						
40	0.50	0.40	249	189	145	116	92	78	59
		0.50	252	192	148	119	95	81	62
50	0.50	0.40	303	228	174	139	110	93	69
		0.50	306	231	177	142	113	96	72
60	0.50	0.40	369	278	212	166	132	111	82
		0.50	372	281	215	169	135	114	85
80	0.50	0.40	479	361	275	215	171	144	106
		0.50	482	364	278	218	174	148	108
100	0.50	0.40	622	469	357	279	222	184	134
		0.50	625	473	359	282	225	187	137
120	0.50	0.40	777	586	446	342	266	246	162
		0.50	780	589	229	345	269	249	165
150	0.50	0.40	971	732	557	427	332	307	202
		0.50	974	732	560	430	335	310	205

NWP01STS

Insulation Thickness	Upper Steel Sheet	Bottom Steel Sheet	Span (L/200) 100	150	200	250	300	350	400
			Load (P=kg/m²)						
50	0.60	0.50	282	216	166	128	102	77	54
60	0.60	0.50	338	260	206	156	135	102	75
80	0.60	0.50	456	351	269	200	154	121	89
100	0.60	0.50	570	434	334	253	187	141	104
120	0.60	0.50	769	592	455	350	270	202	152
150	0.60	0.50	990	769	589	456	350	264	186

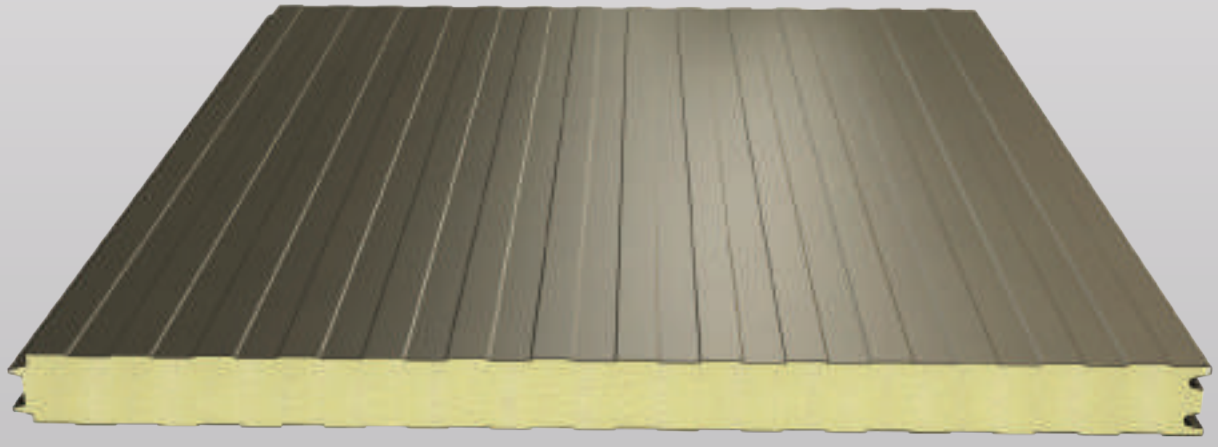
NWP01STS

Insulation Thickness	Upper Steel Sheet	Bottom Steel Sheet	Span (L/200) 100	150	200	250	300	350	400
50	0.60	0.50	704	468	379	261	180	128	85
60	0.60	0.50	735	486	398	274	189	134	89
80	0.60	0.50	772	509	418	288	198	141	94
100	0.60	0.50	811	532	439	302	208	148	98
120	0.60	0.50	841	543	461	317	219	156	103

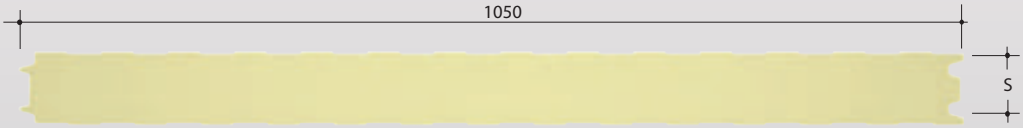
NWP6SS 6 RIBS

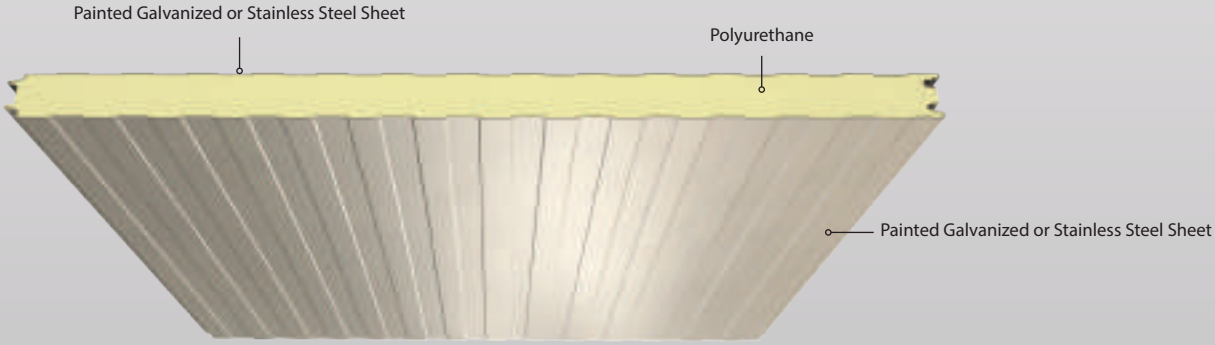
Insulation Thickness	Upper Steel Sheet	Bottom Steel Sheet	Span (L/200) 100	150	200	250	300	350	400
			Load (P=kg/m²)						
50	0.50	0.40	364	282	225	180	144	115	92
		0.50	367	285	228	183	147	118	95
60	0.50	0.40	436	349	279	223	179	143	114
		0.50	439	352	282	226	182	146	117
80	0.50	0.40	524	419	335	268	214	172	137
		0.50	527	422	338	271	217	175	140
100	0.50	0.40	628	503	402	322	257	206	165
		0.50	631	506	405	325	260	209	168
120	0.50	0.40	754	603	483	386	309	247	198
		0.50	757	606	486	389	312	250	201

CLIMATE CONTROL WALL PANEL



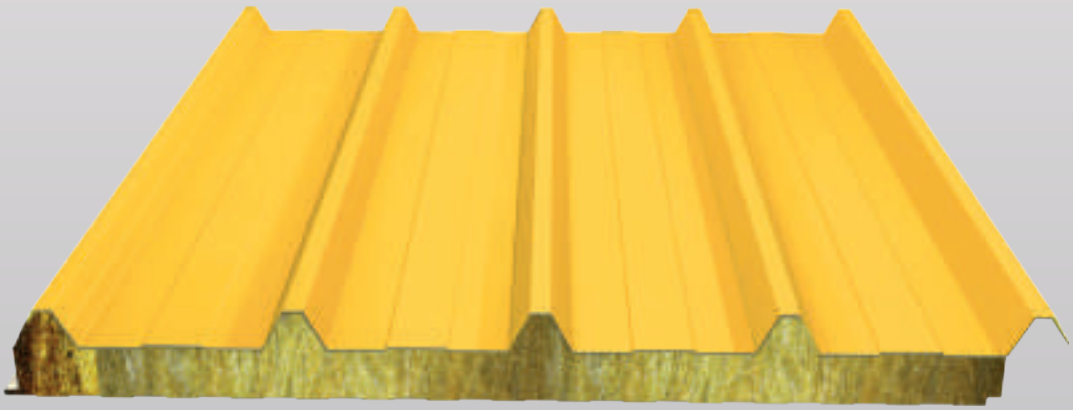


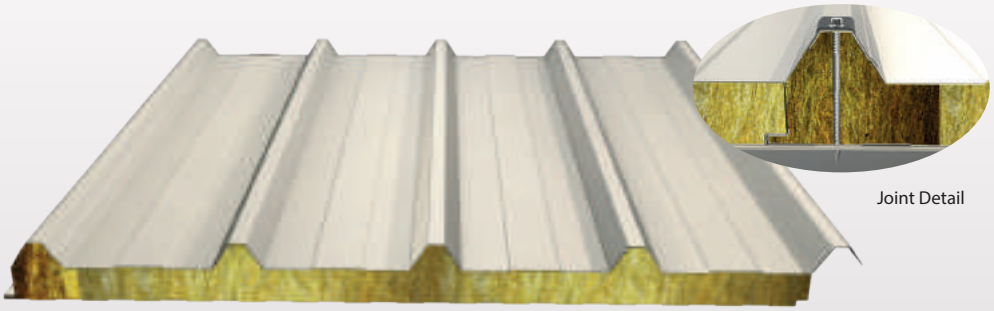


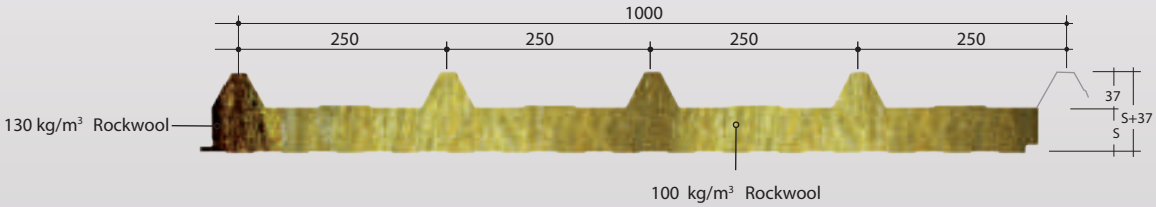


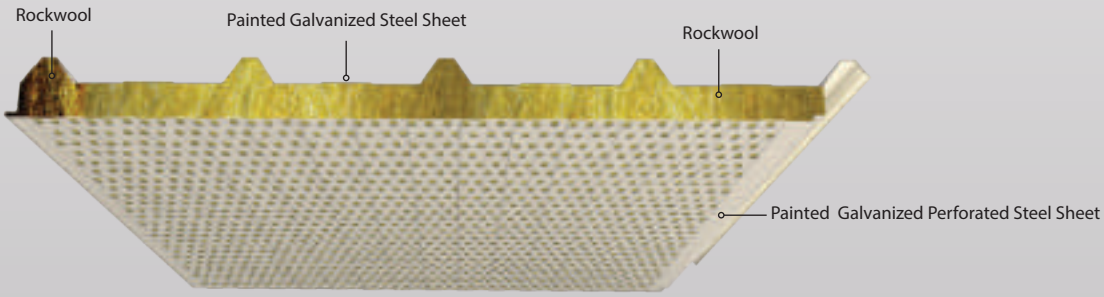
Technical Spesifications	CCP01SS
Width	1050 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Exterior Surface	Painted Galvanized Stainless Ni -Cr Steel Sheet (Inox)
Insulation Thickness Insulation	60 (0°C), 80 (-5+5°C), 100 (-15°C), 120 (-20 °C), 150 (-25°C), 200 (-40°C) mm
Type	Polyurethane / Polyisocyanurate
Maximum Thermal Conductivity	0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	40 - 42 kg/m^3

ACOUSTIC PANELS and ROOF PANELS





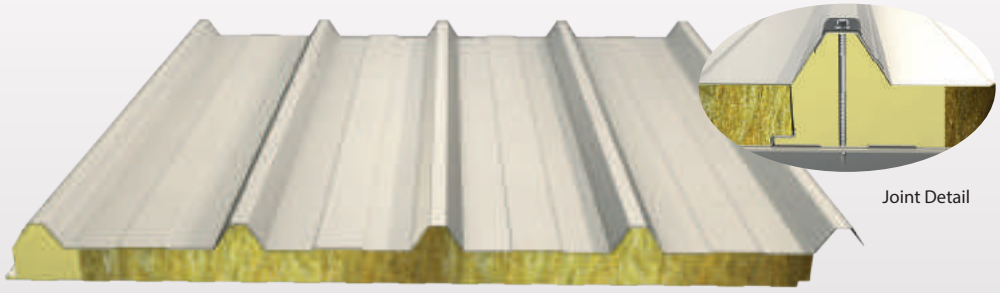


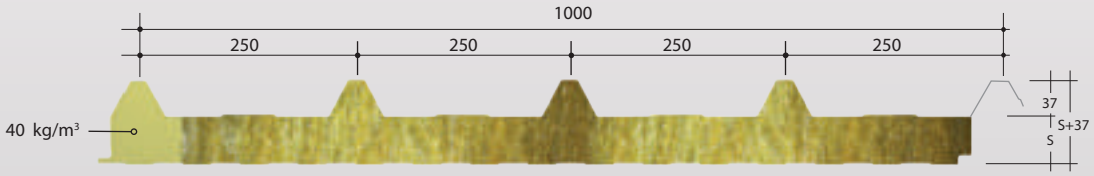


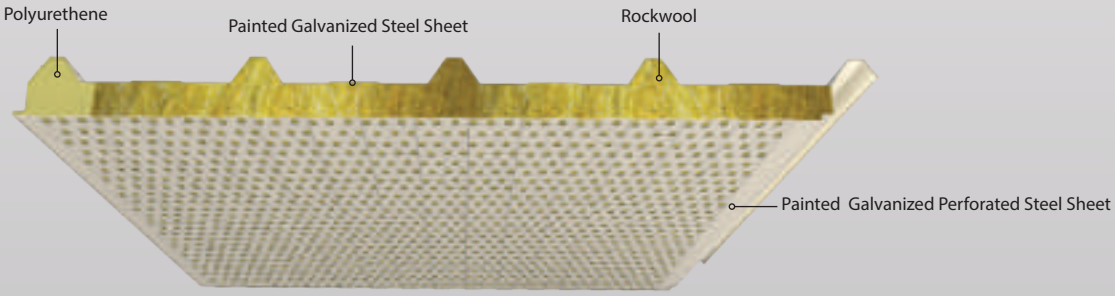
NEW!

Technical Spesifications	NRP5STS-FR
Number of Ribs	5
Height of Ribs	37 mm
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Exterior Surface	40 - 50 - 60 - 70 - 80 - 90 - 100 - 120 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m³ (Joint part: 130 kg/m³)
Perforated Diameter	0,2 - 10 mm

ACOUSTIC HYBRID PANEL with 5 RIBS (with PUR SUPPORT)

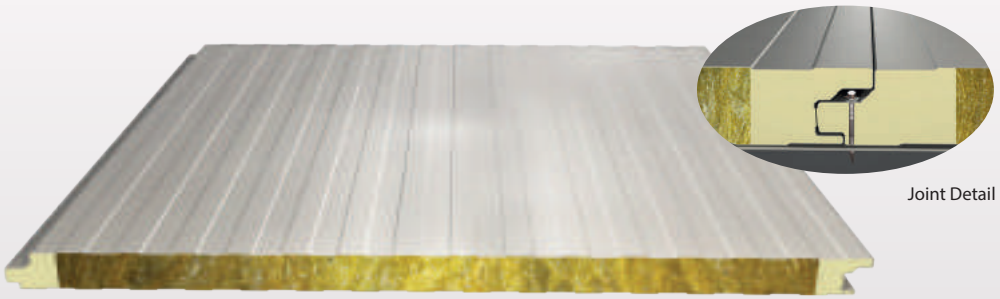


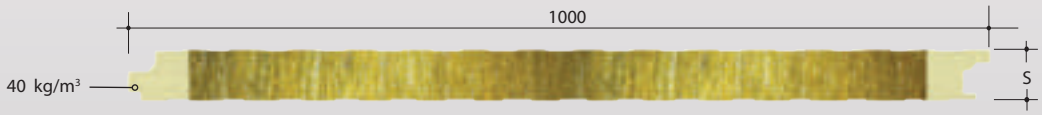


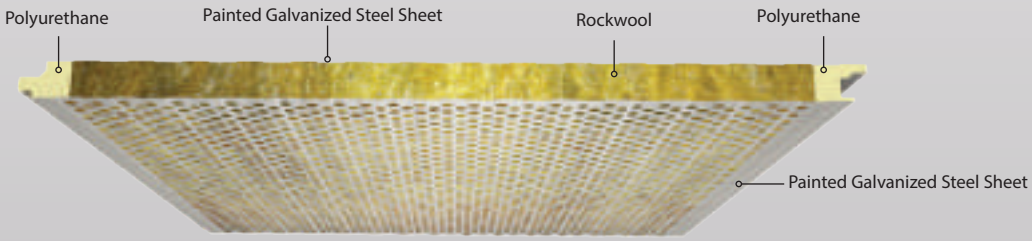


NEW!

Technical Spesifications	NRP5STS (ACOUSTIC)
Number of Ribs	5
Height of Ribs	37 mm
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Exterior Surface	40 - 50 - 60 - 70 - 80 - 90 - 100 - 120 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m³ Rockwool
Perforated Diameter	0,2 - 10 mm

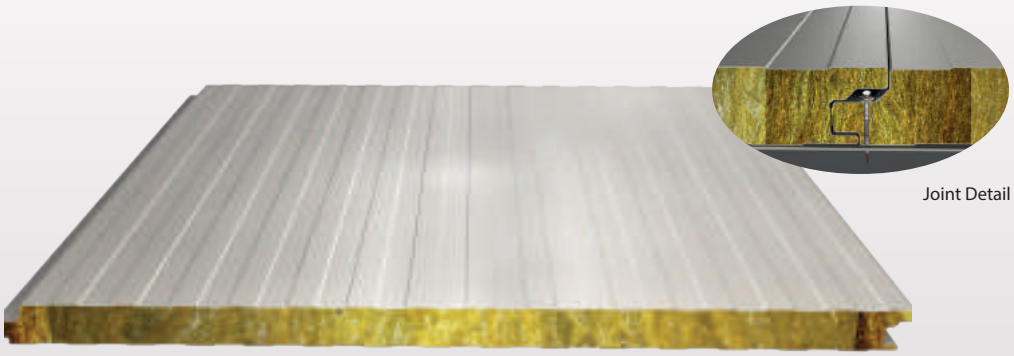


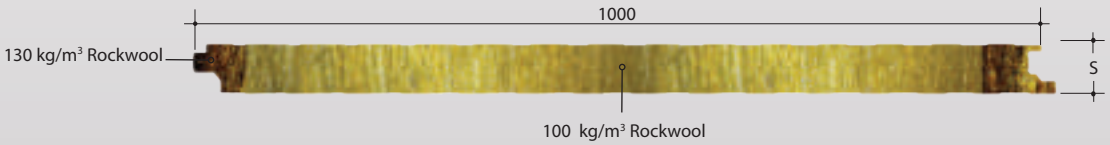




NEW!

Technical Spesifications	NWP1STS (ACOUSTIC)
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Exterior Surface	40 - 50 - 60 - 70 - 75 - 80 - 100 - 120 - 150 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m³ Rockwool
Perforated Diameter	0,2 - 10 mm







NEW!

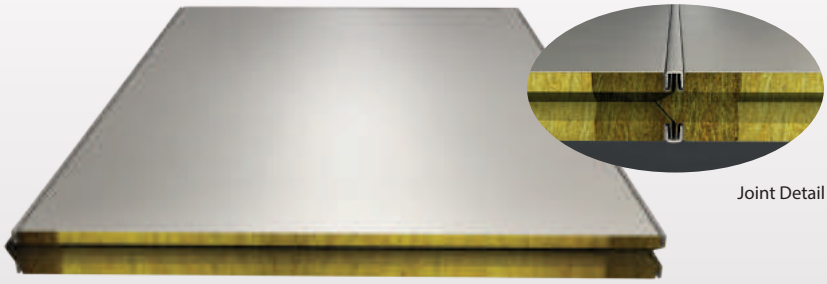
Technical Spesifications	NWP01STS - FR (ACOUSTIC)
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Exterior Surface	40 - 50 - 60 - 70 - 75 - 80 - 100 - 120 - 150 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m^3 (Joint part: 130 kg/m^3)
Perforated Diameter	0,2 - 10 mm

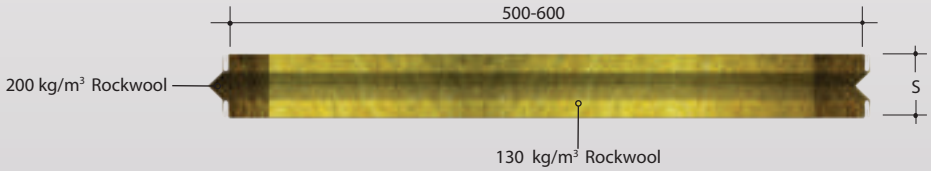
NWP01STS ACOUSTIC									
			Span (L/200)						
Insulation Thickness	Upper Steel Sheet	Bottom Steel Sheet	100	150	200	250	300	350	400
			Load (P=kg/m²)						
50	0.60	0.70	286	222	172	134	108	83	60
60	0.60	0.70	344	266	212	161	141	108	81
80	0.60	0.70	462	357	275	205	160	128	85
100	0.60	0.70	576	440	340	260	193	147	110
120	0.60	0.70	775	598	461	356	276	208	158
150	0.60	0.70	995	775	595	462	356	270	192

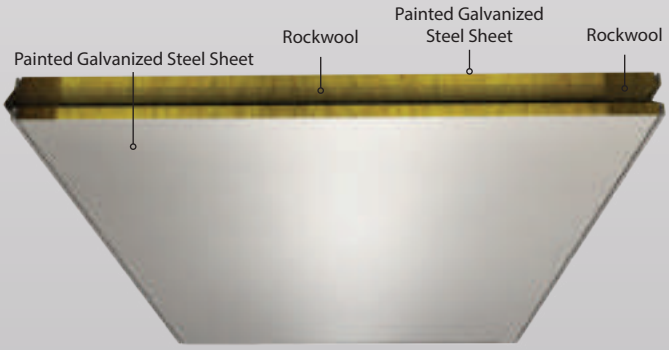
NRP51STS ACOUSTIC									
			Span (L/200)						
Insulation Thickness	Upper Steel Sheet	Bottom Steel Sheet	100	150	200	250	300	350	400
			Load (P=kg/m²)						
50	0.60	0.70	828	550	379	261	180	128	85
60	0.60	0.70	865	572	398	274	189	134	89
80	0.60	0.70	908	599	418	288	198	141	94
100	0.60	0.70	570	434	439	302	208	148	98
120	0.60	0.70	769	592	461	317	219	156	103

SPECIAL PURPOSE APPLICATION PANELS



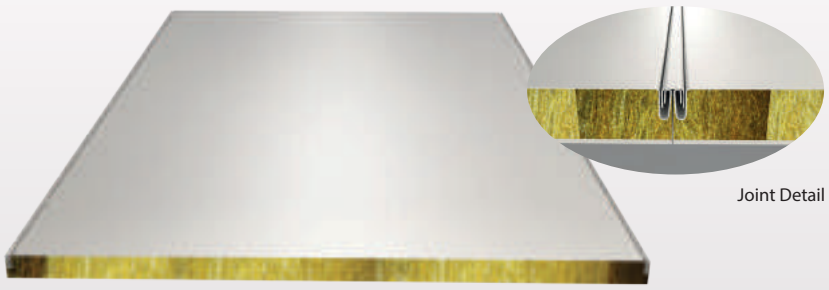


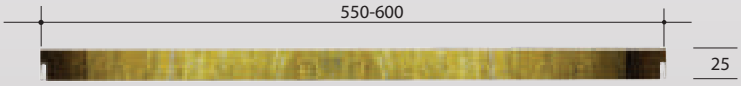




NEW!

Technical Spesifications	NGP STS 050
Width	550 - 600 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	50 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	130 kg/m³ Rockwool (Joint part: 200 kg/m³)

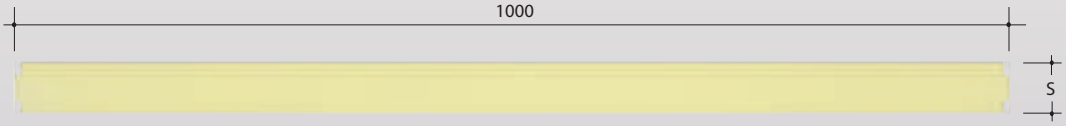






Technical Spesifications	NGP STS 025
Width	550 - 600 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	25 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	130 kg/m^3 Rockwool (Joint part: 200 kg/m^3)

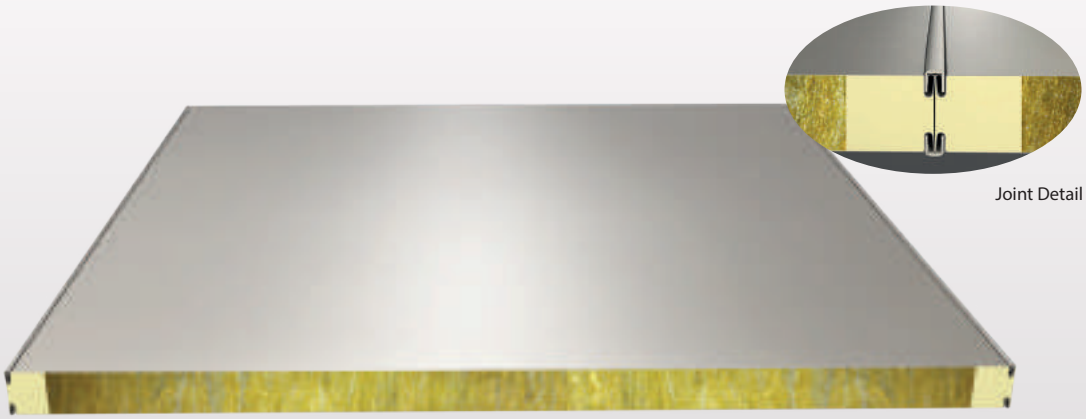






*** In case of request, corrugation can be made.(Steel SheetThickness should be min. 0.60mm)**

Technical Spesifications	NSPP
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	40 - 50 - 60 - 75 - 100 mm
Insulation Type	Polyurethane/ Polyisocyanurate
Maximum Thermal Conductivity	0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	40 and 60 kg/m^3 (PUR)



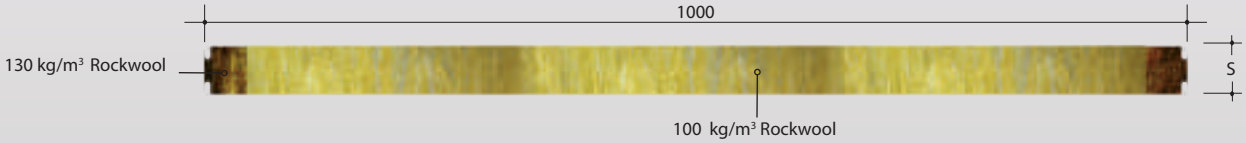


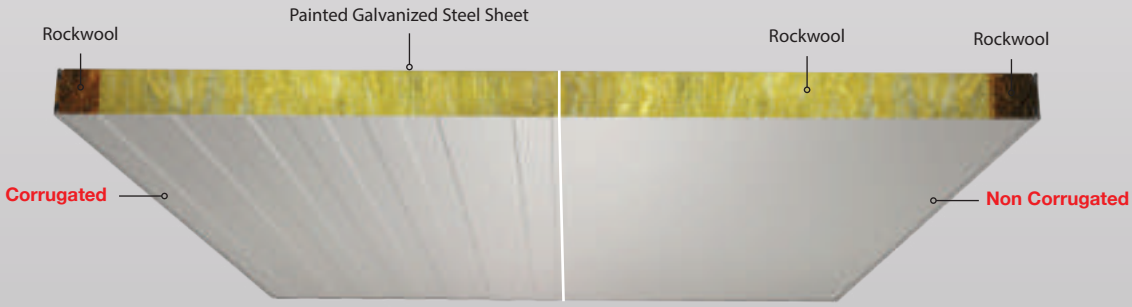


*** In case of request, corrugation can bemade. (Steel SheetThickness should be min. 0.60mm)**

Technical Spesifications	NSPP - Rockwool
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	40 - 50 - 60 - 75 - 100 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 and 130 kg/m^3 Rockwool







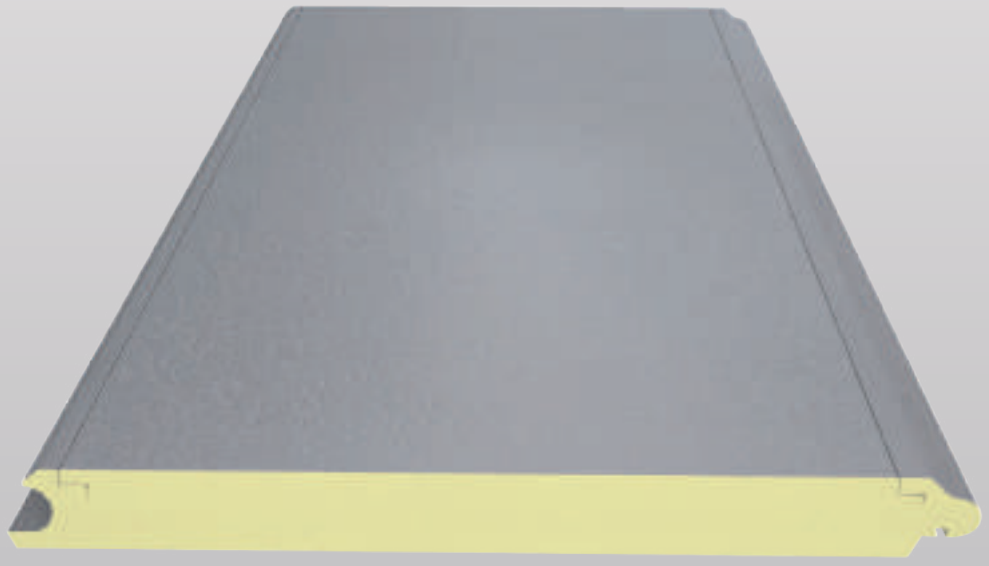
NEW!

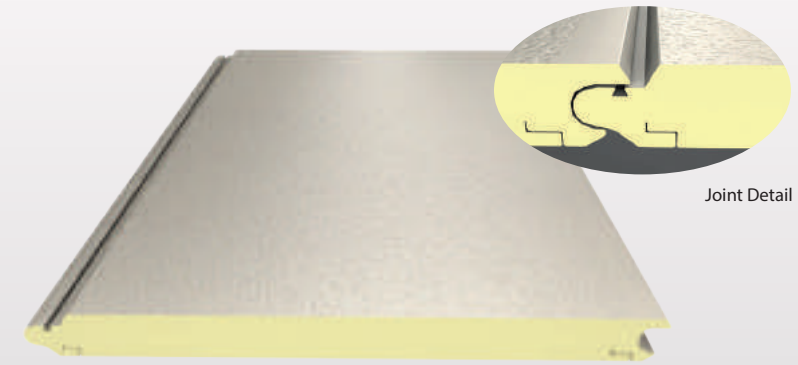
***In case of request, corrugation can be made. (Steel Sheet Thickness should be min. 0.60 mm)**

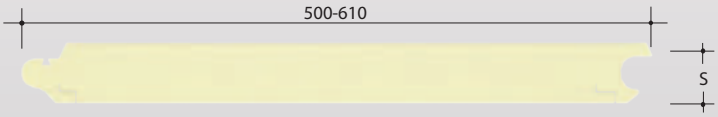
Technical Spesifications	NSPP
Width	1000 mm
Minimum / Maximum Length	2,5 m - 14,7 m
Paint Type	Polyester, PVDF, Plastisol
Insulation Thickness	40 - 50 - 60 - 75 - 100 mm
Insulation Type	Rockwool
Maximum Thermal Conductivity	0,040 W/m K
Fire Class	A2-s1-d0 according to TS EN 14509 (TS EN 13501-1)
Density	100 kg/m³ (Joint part: 130 kg/m³)

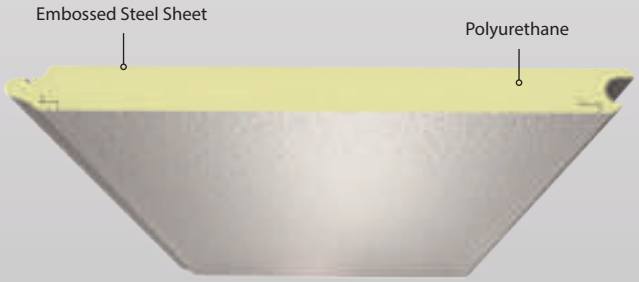
OVERHEAD DOORS

DOOR PANELS



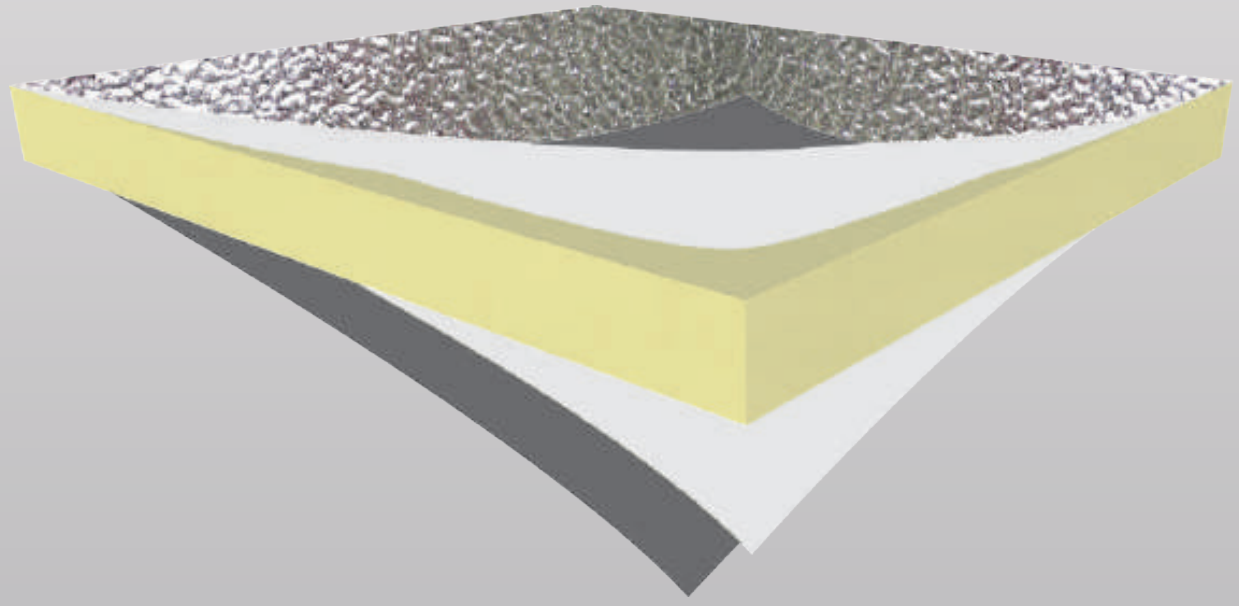




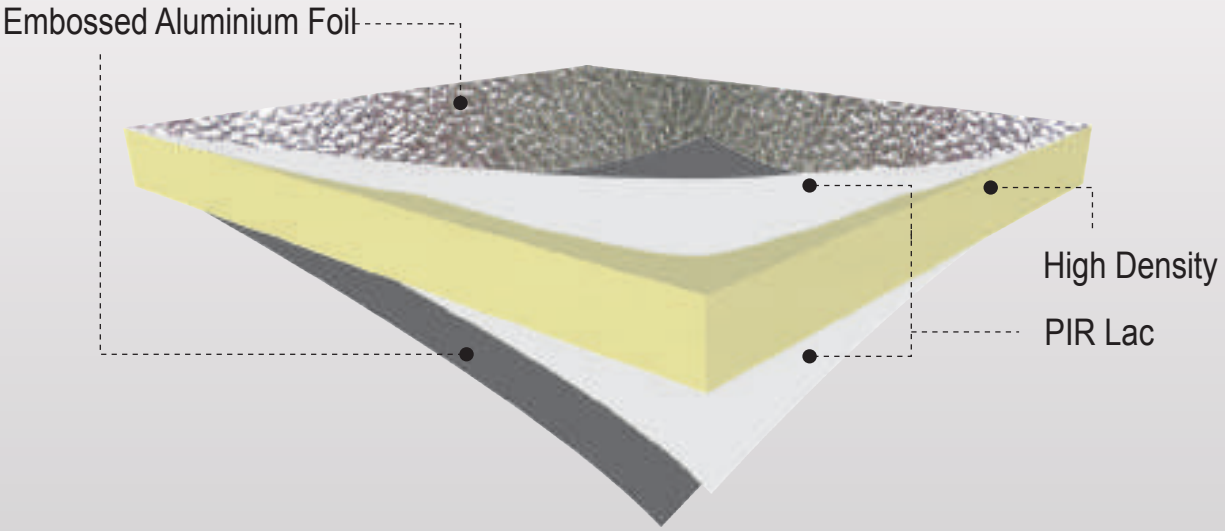


Technical Spesifications	NKP0SS42 - 500/610
Width	500 - 610 mm
Minimum / Maximum Length	2,5 m - 13,5 m
Paint Type	Polyamid
Insulation Thickness	42 mm
Insulation Type	Polyurethane
Maximum Thermal Conductivity	0,024 W/m K
Fire Class	B-s2-d0 according to TS EN 14509 (TS EN 13501-1)
Density	45 kg/m^3 (PUR)

AIR CHANNEL SYSTEM



Panel Structure



NKS self-insulated air canal system

Accordingto classical air conditioning system,
it provides high energy saving and it is technically advance.
NKS resists to corrosion, it is hygienic and environmentally friendly.
It is more practical and economic in worksite application, specifically.

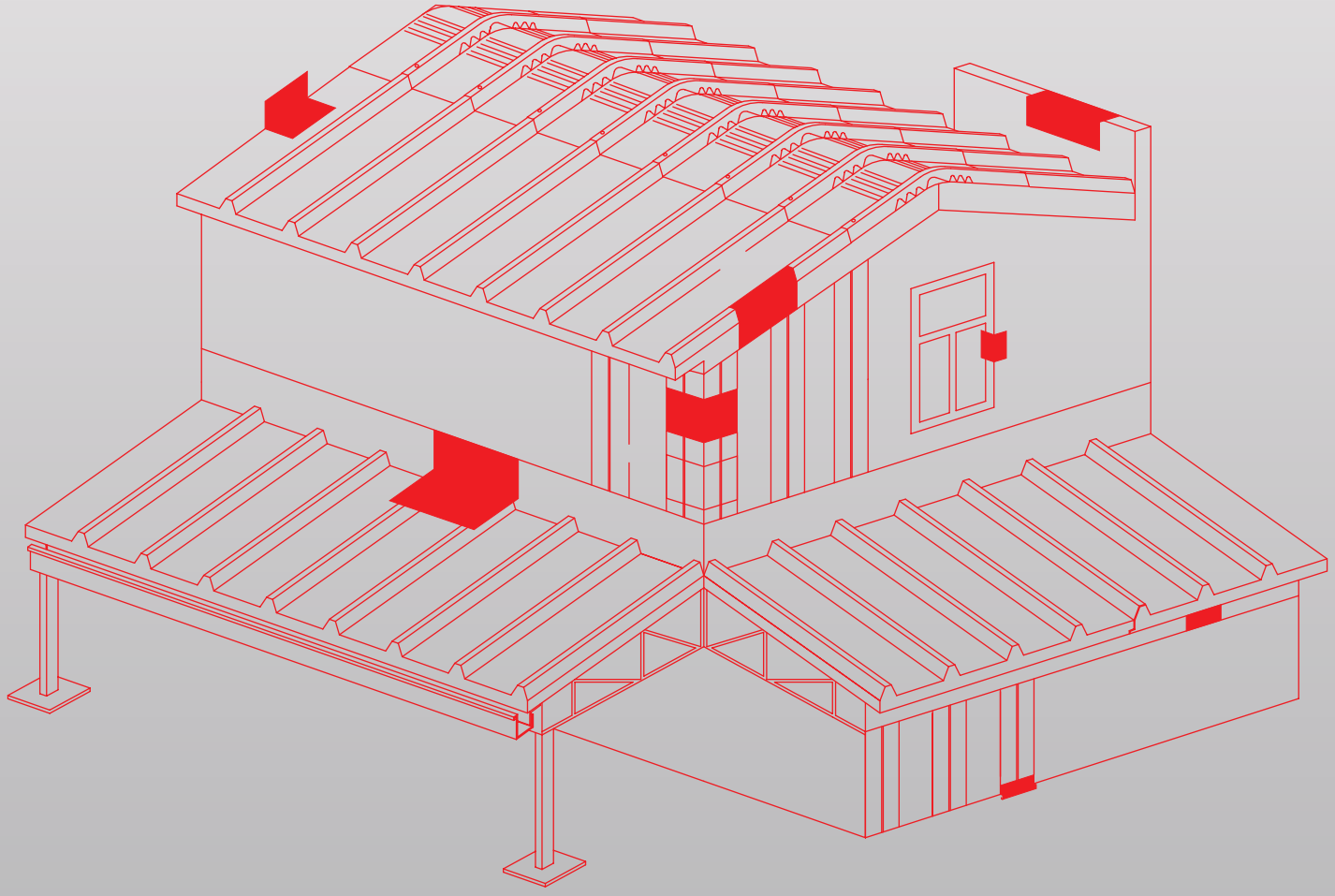
Advantages

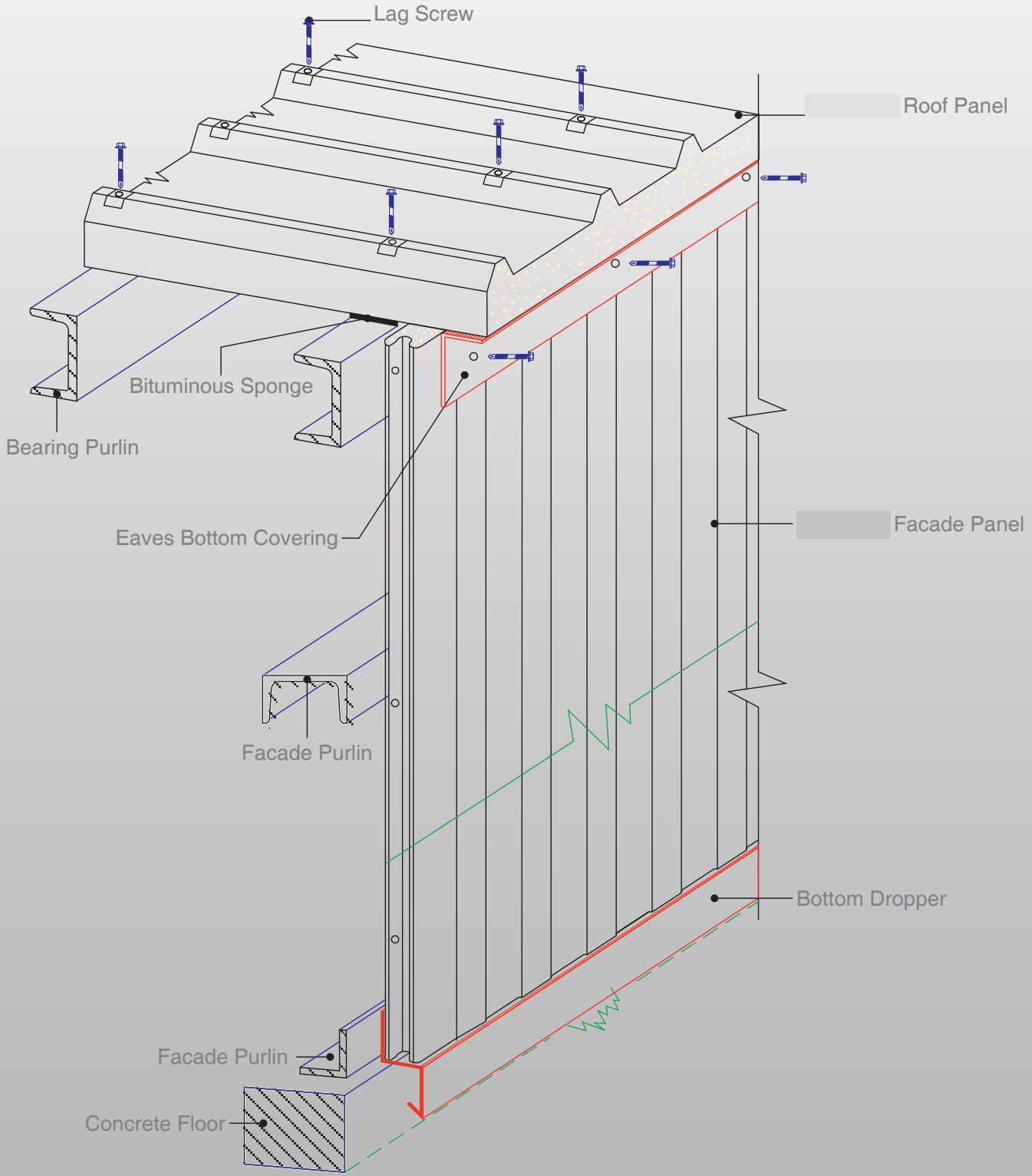
1 - Heat Insulation
2 - Energy saving
3 - No more air and heat lost
4 - Resistance to corrosion
5 - Hygienic and environmentally friendly
6 - Sound Insulation
7 - Resistance to UV
8 - Decorative
9 - Easy assembly
10 - Easy transportation

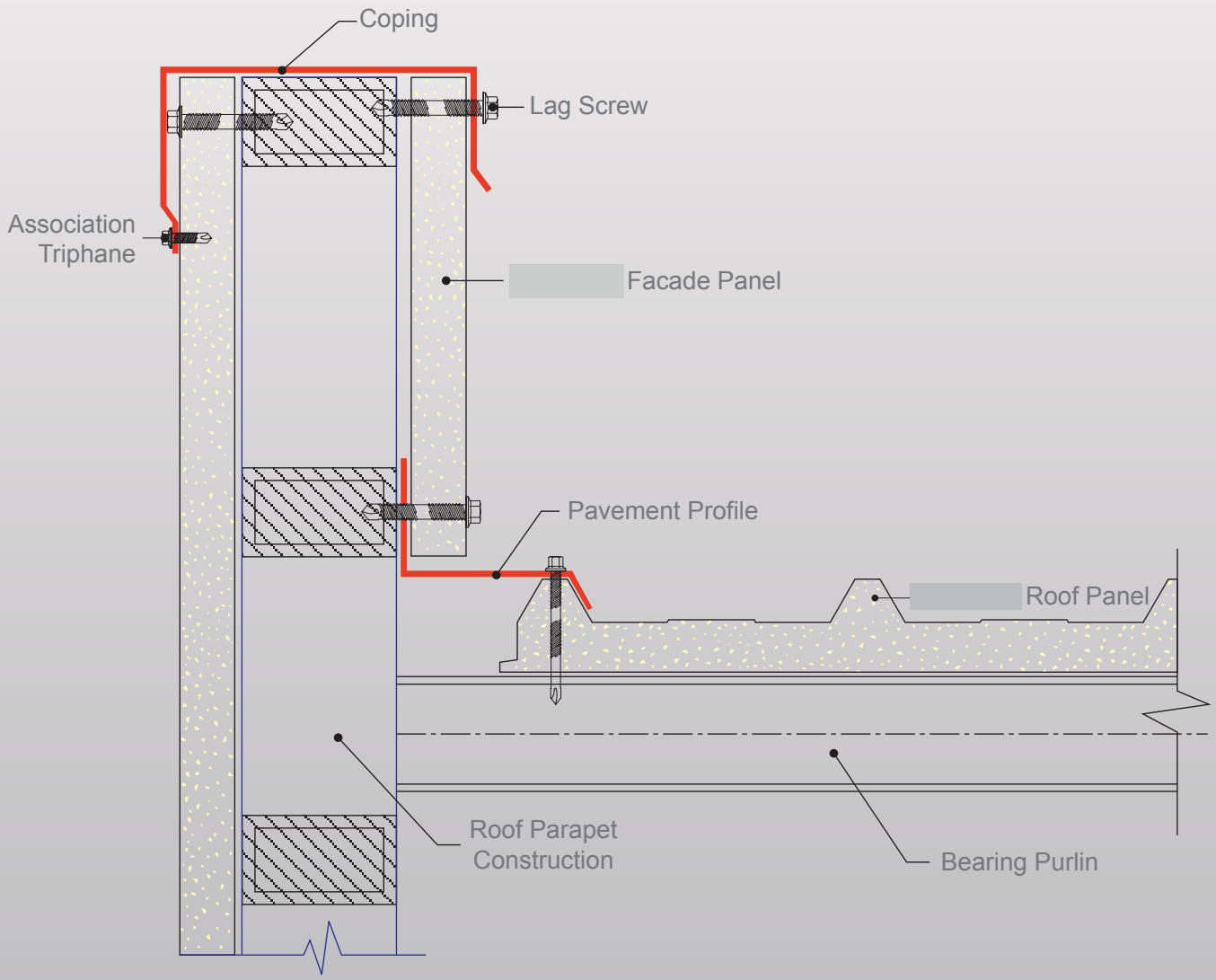
WOOD	280mm	λ = 0,128 W/°K.h
GLASS WOOL	130mm	λ = 0,060 W/°K.h
ROCK WOOL	100mm	λ = 0,046 W/°K.h
POLYSTYREN	80mm	λ = 0,036 W/°K.h
POLYURETHANE	50mm	λ = 0,023 W/°K.h
PIR	20mm	λ = 0,0206 W/°K.h
NKS	20mm	λ = 0,0168 W/°K.h

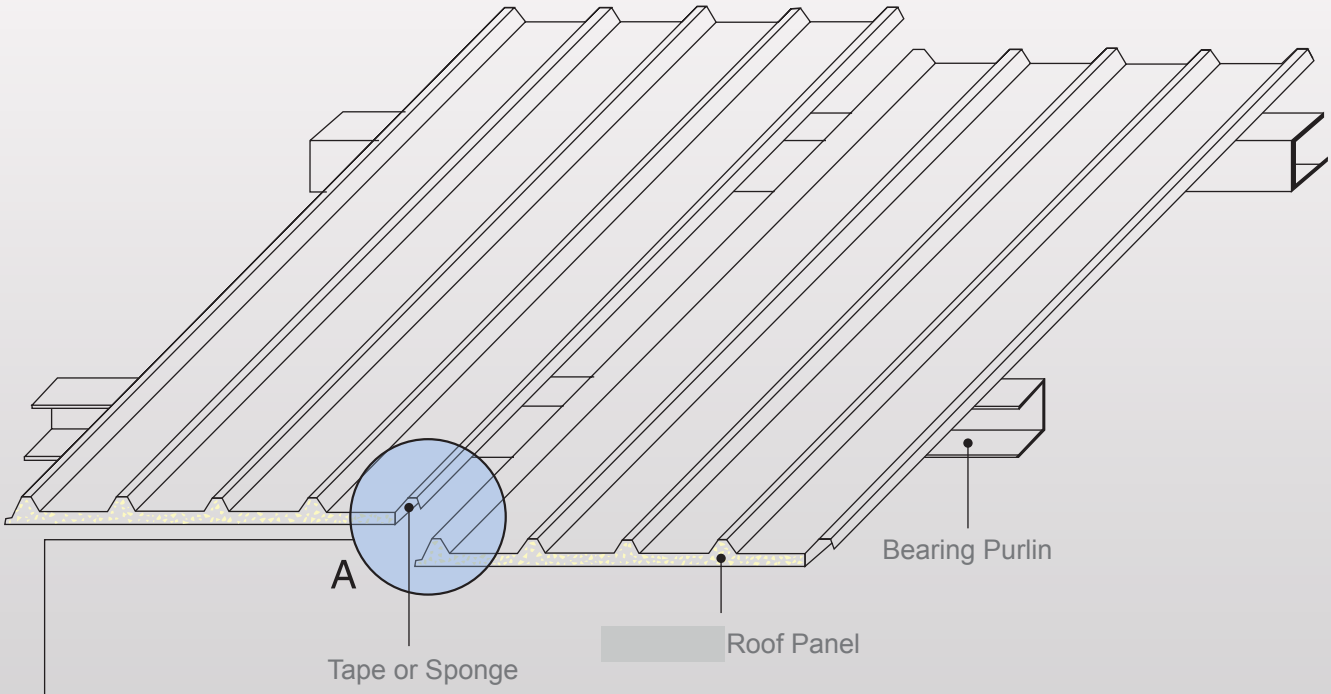
Heat Insulation and Waterproofing
Hygienic
Energy Efficient
Light
Decorative
Easy Assembling

ACCESSORIES and JOINT DETAILS

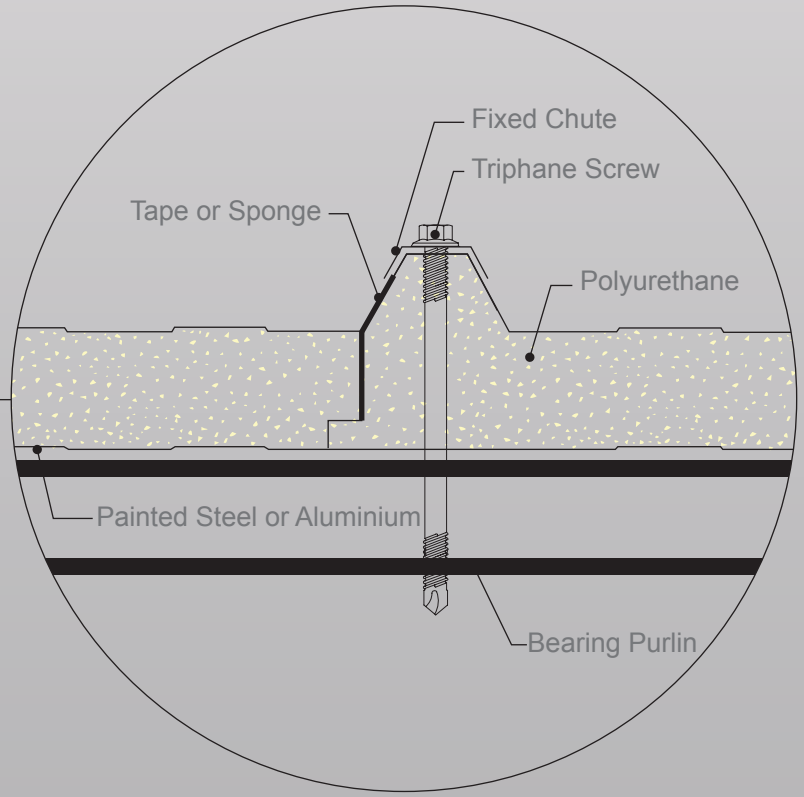



Lag Screw
Roof Panel
Bituminous Sponge
Bearing Purlin
Eaves Bottom Covering
Facade Panel
Facade Purlin
Bottom Dropper
Facade Purlin
Concrete Floor

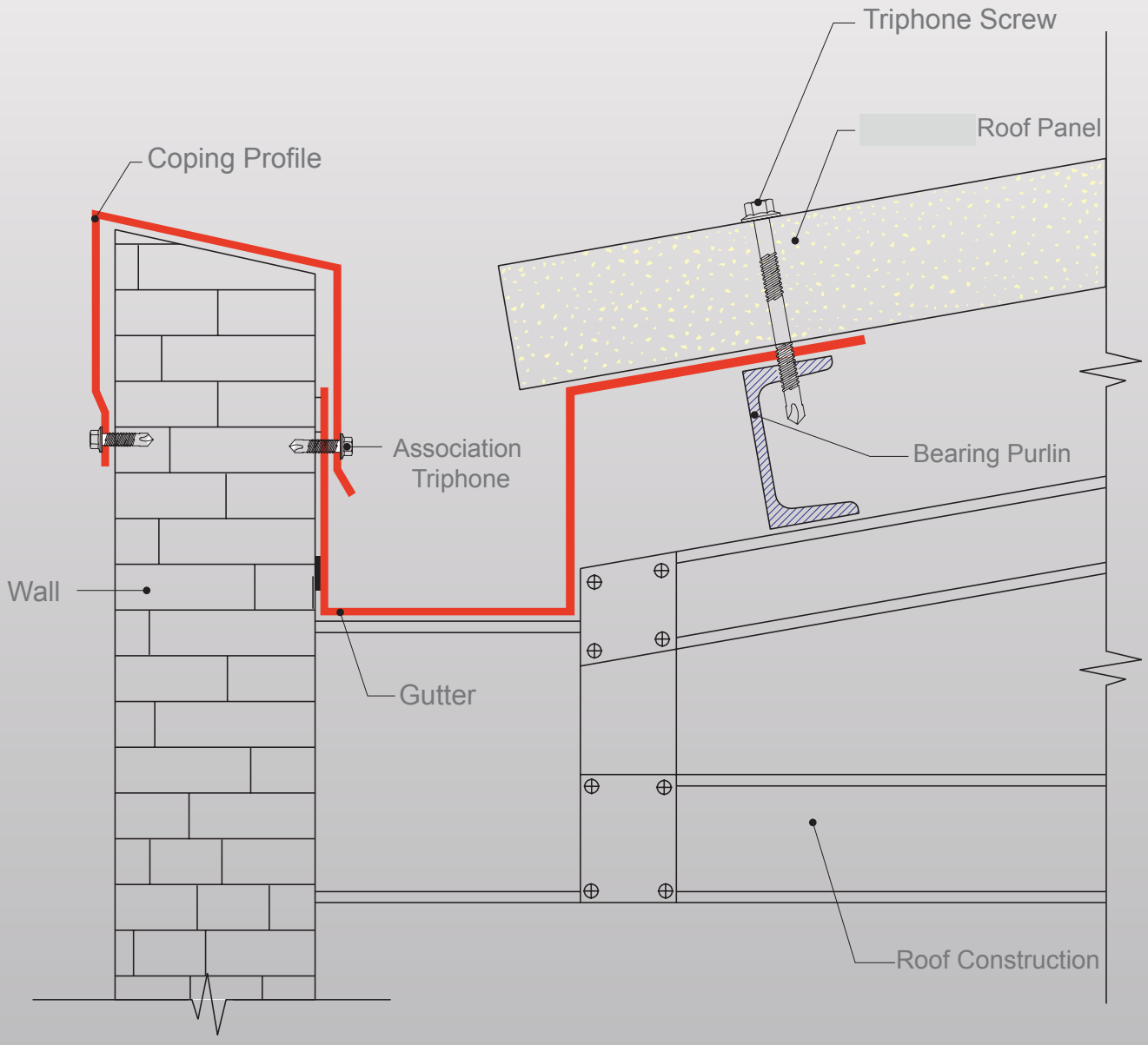

Coping
Lag Screw
Association
Triphane
Facade Panel
Pavement Profile
Roof Panel
Roof Parapet
Construction
Bearing Purlin


A
Bearing Purlin
Tape or Sponge
Roof Panel

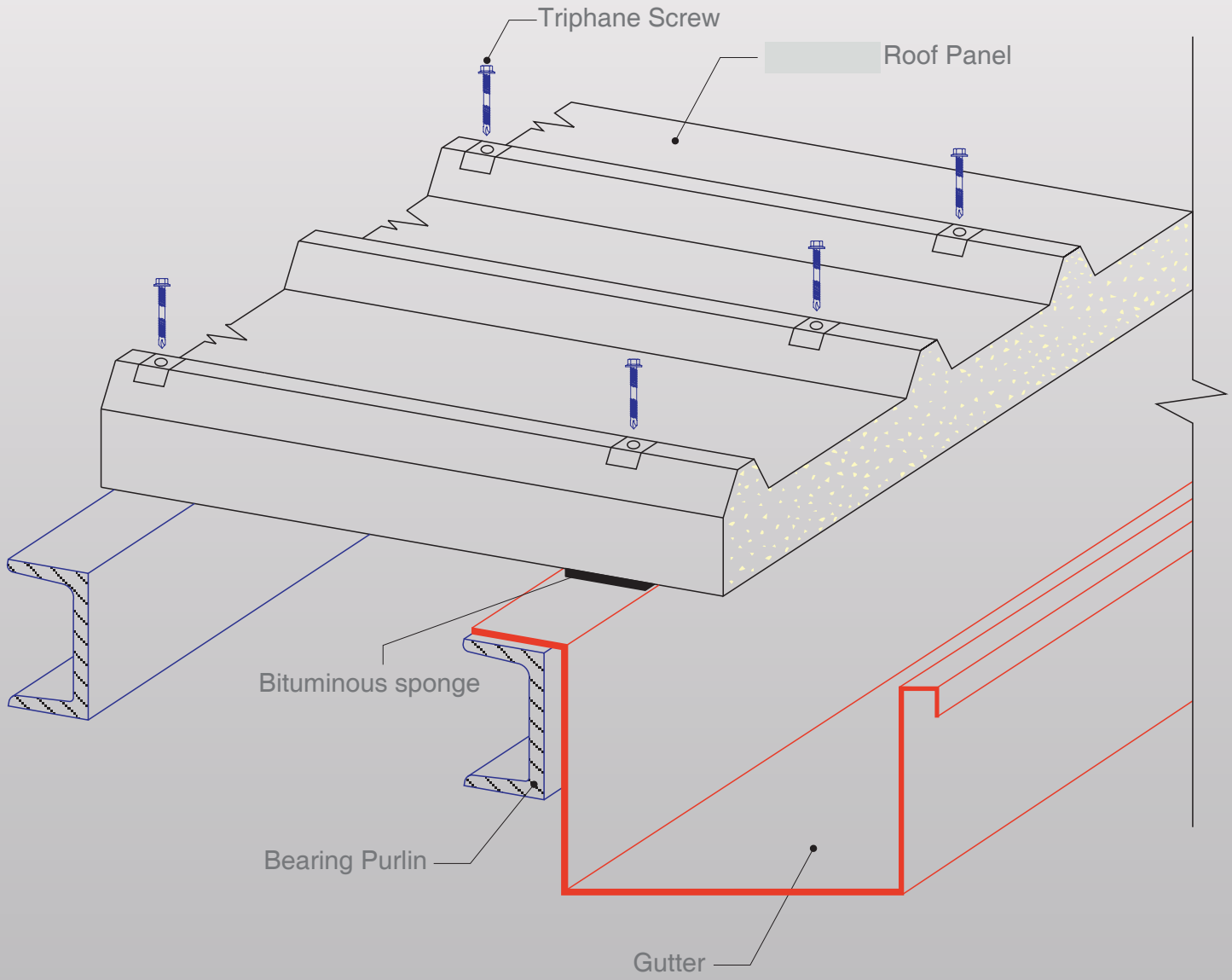
A-DOT DETAIL


Fixed Chute
Triphane Screw
Tape or Sponge
Polyurethane
Painted Steel or Aluminium
Bearing Purlin

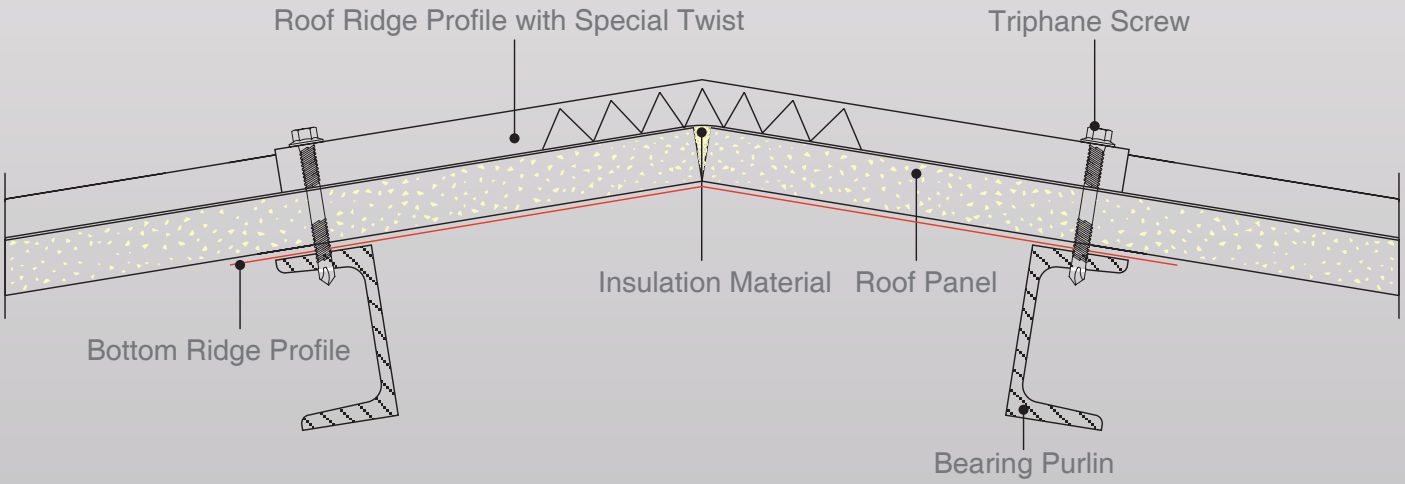
GUTTER DETAIL

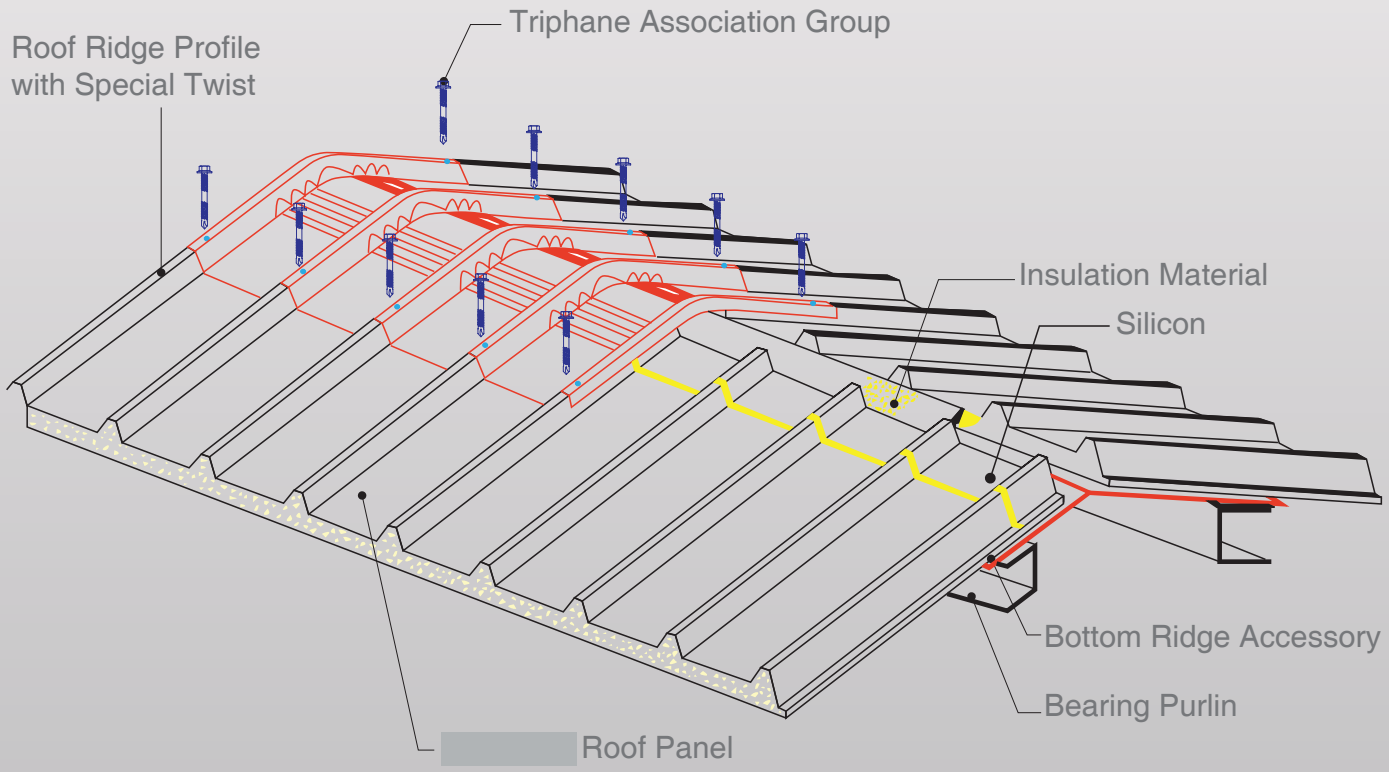


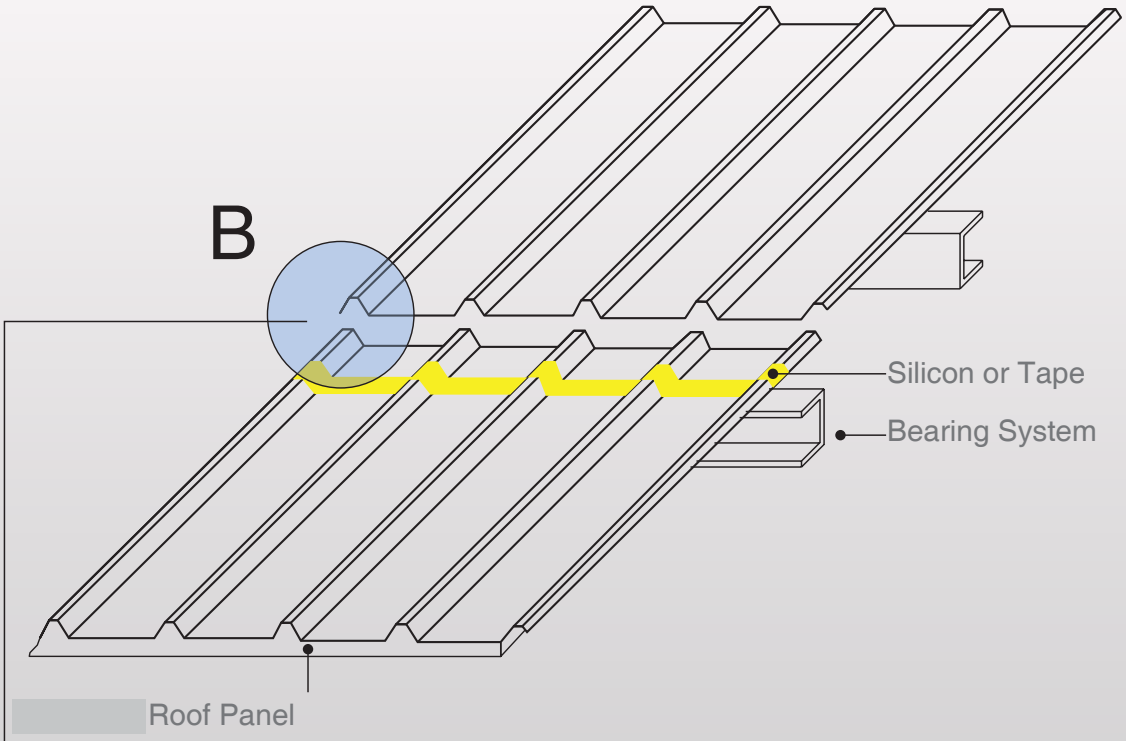
GUTTER DETAIL



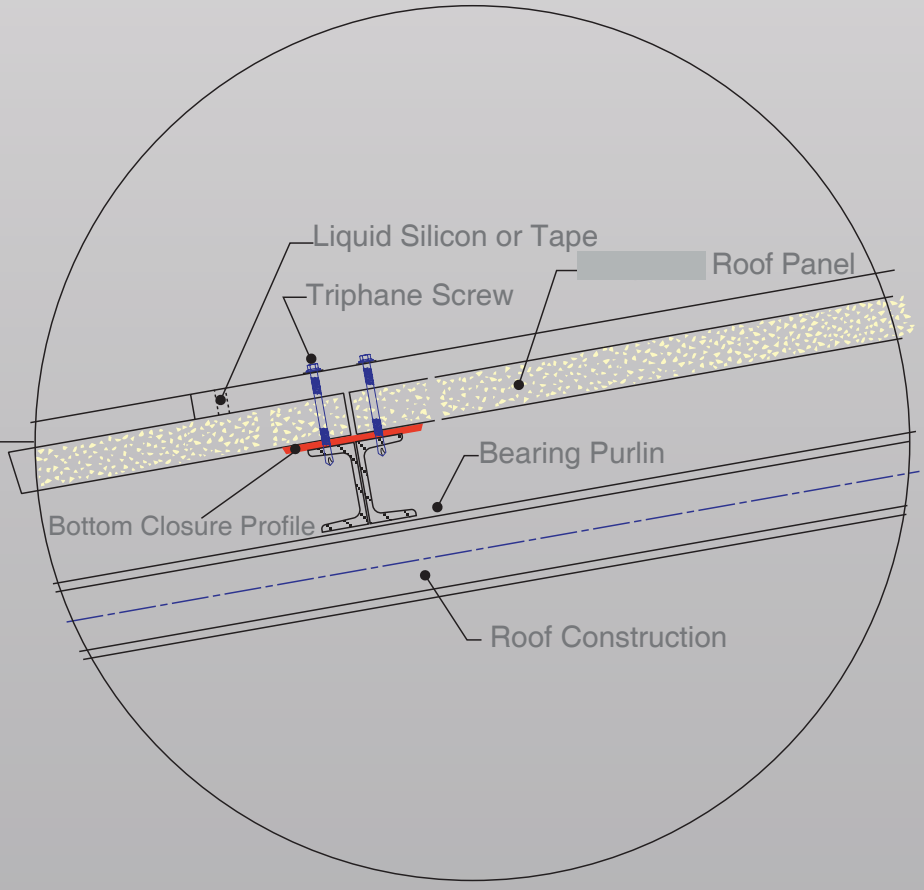
MAHYA Joint Detail

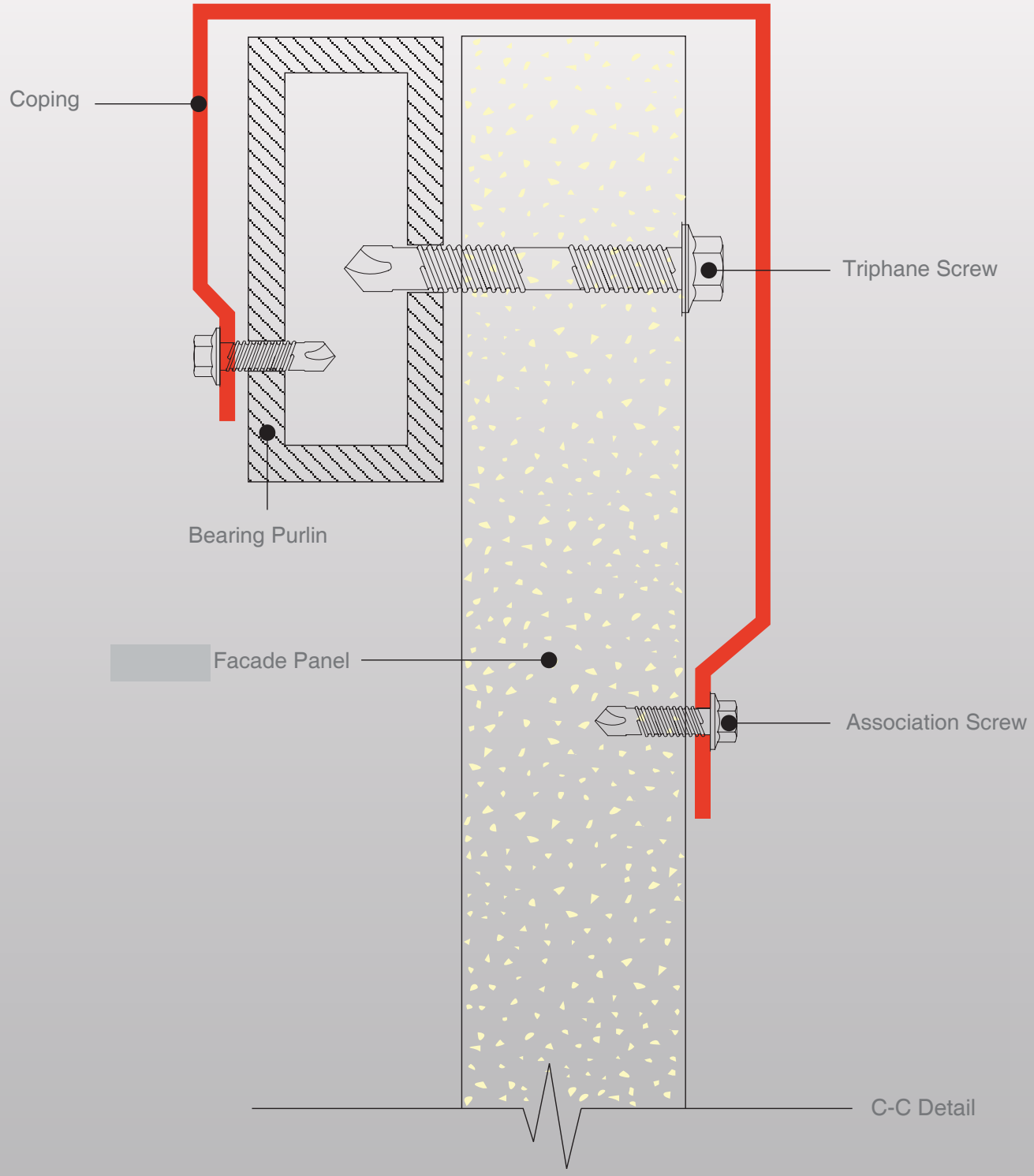


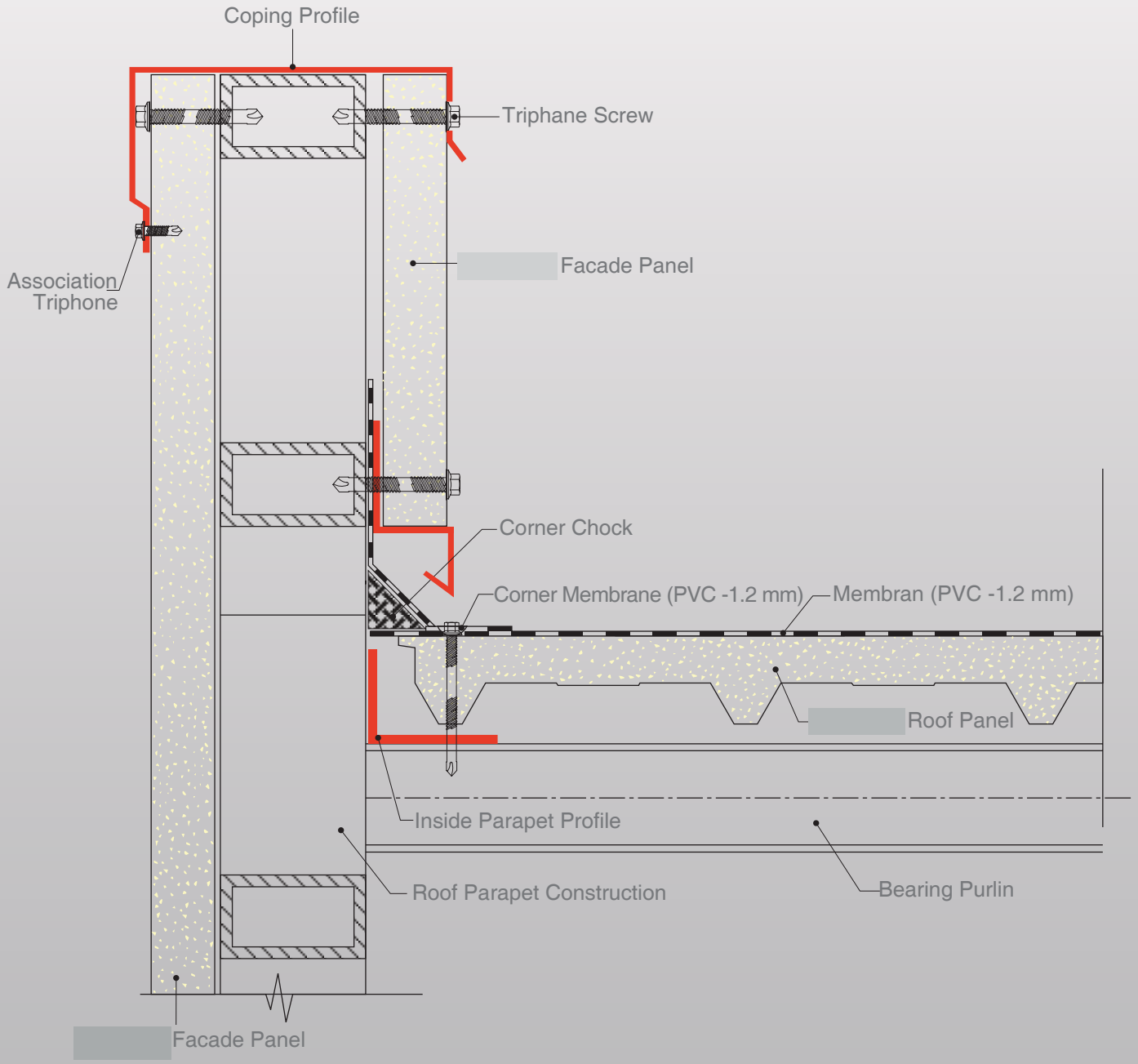

Roof Ridge Profile
with Special Twist
Triphane Association Group
Insulation Material
Silicon
Bottom Ridge Accessory
Bearing Purlin
Roof Panel

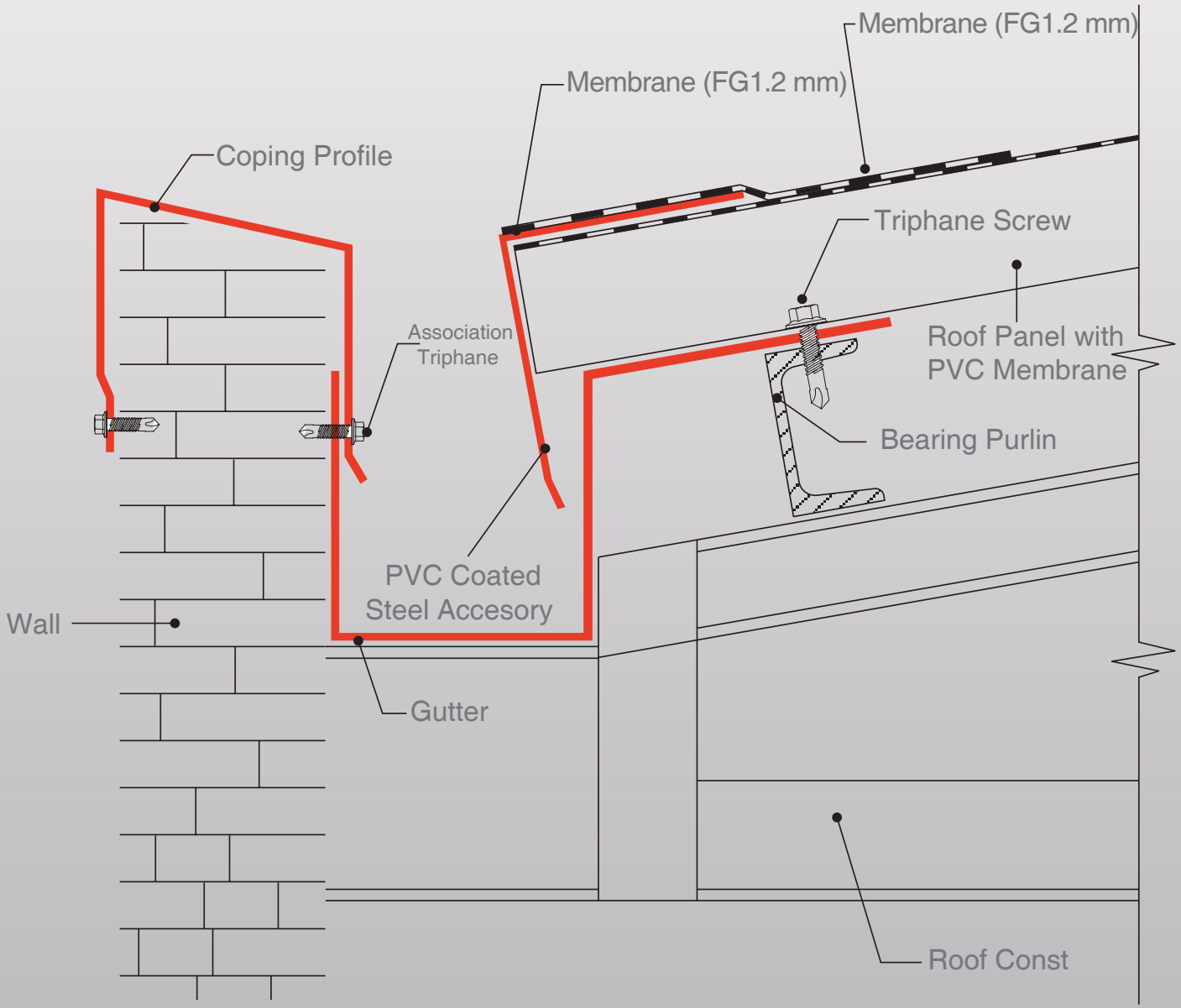

B
Silicon or Tape
Bearing System
Roof Panel

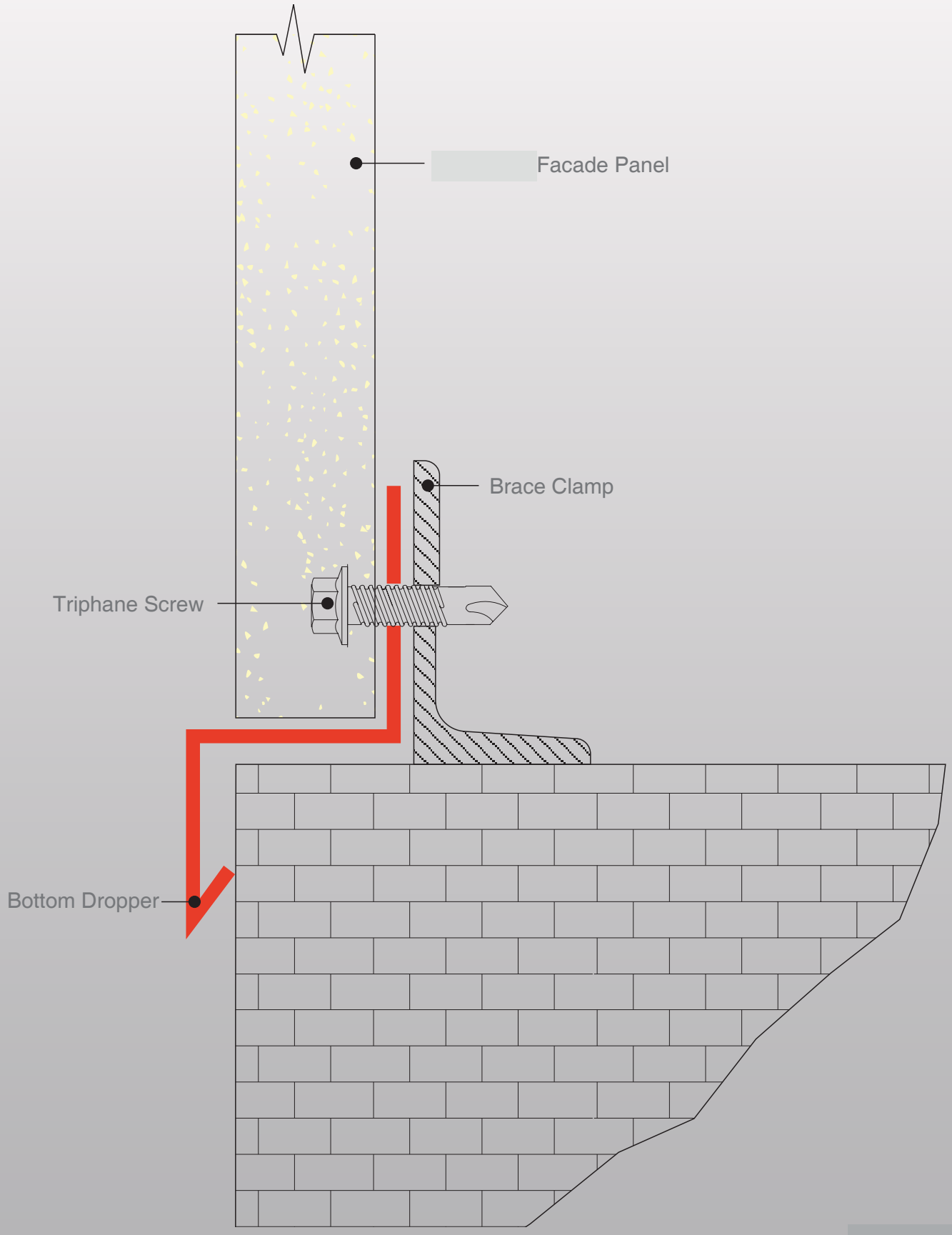
B - Detail

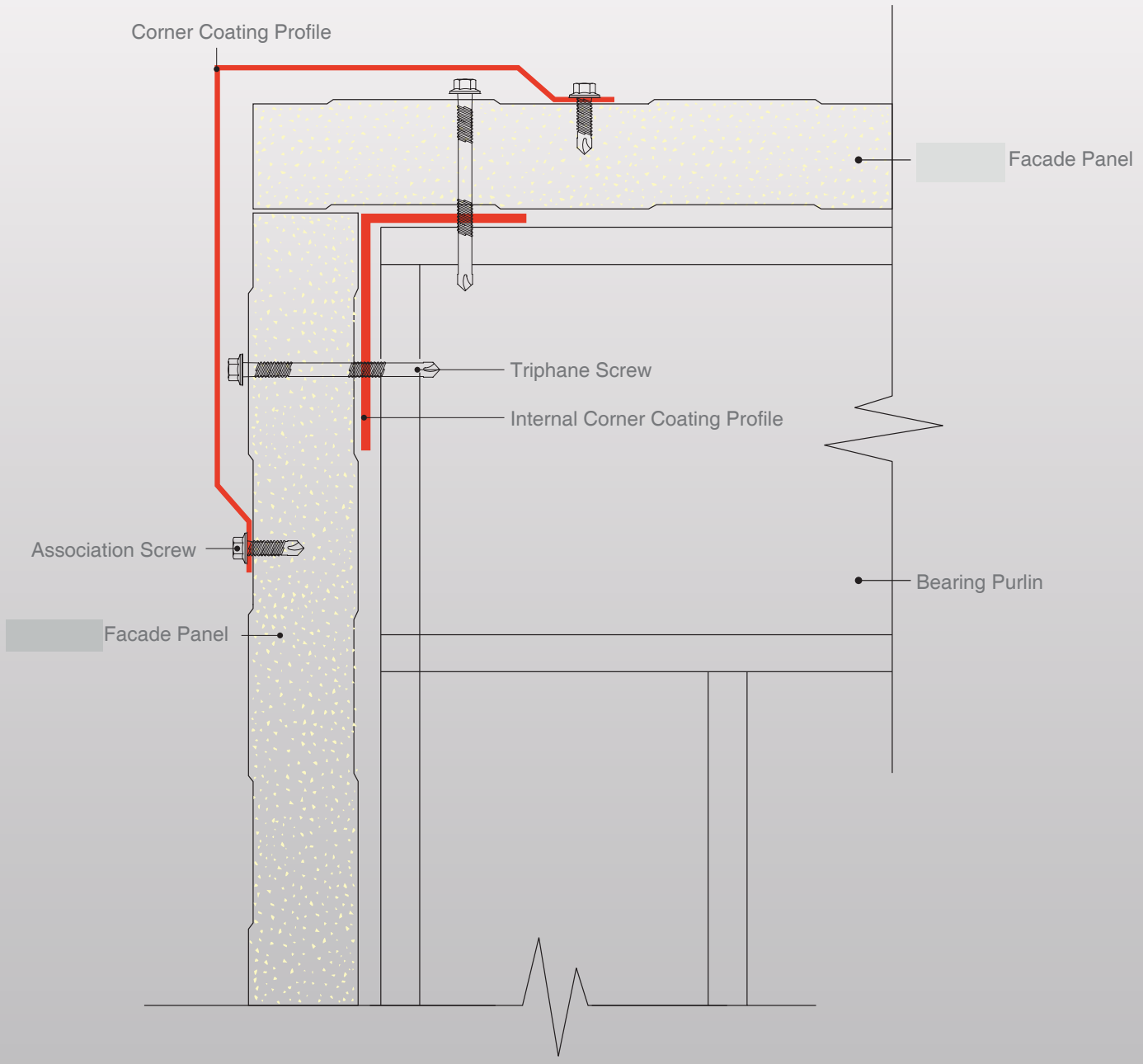

Liquid Silicon or Tape
Roof Panel
Triphane Screw
Bearing Purlin
Bottom Closure Profile
Roof Construction

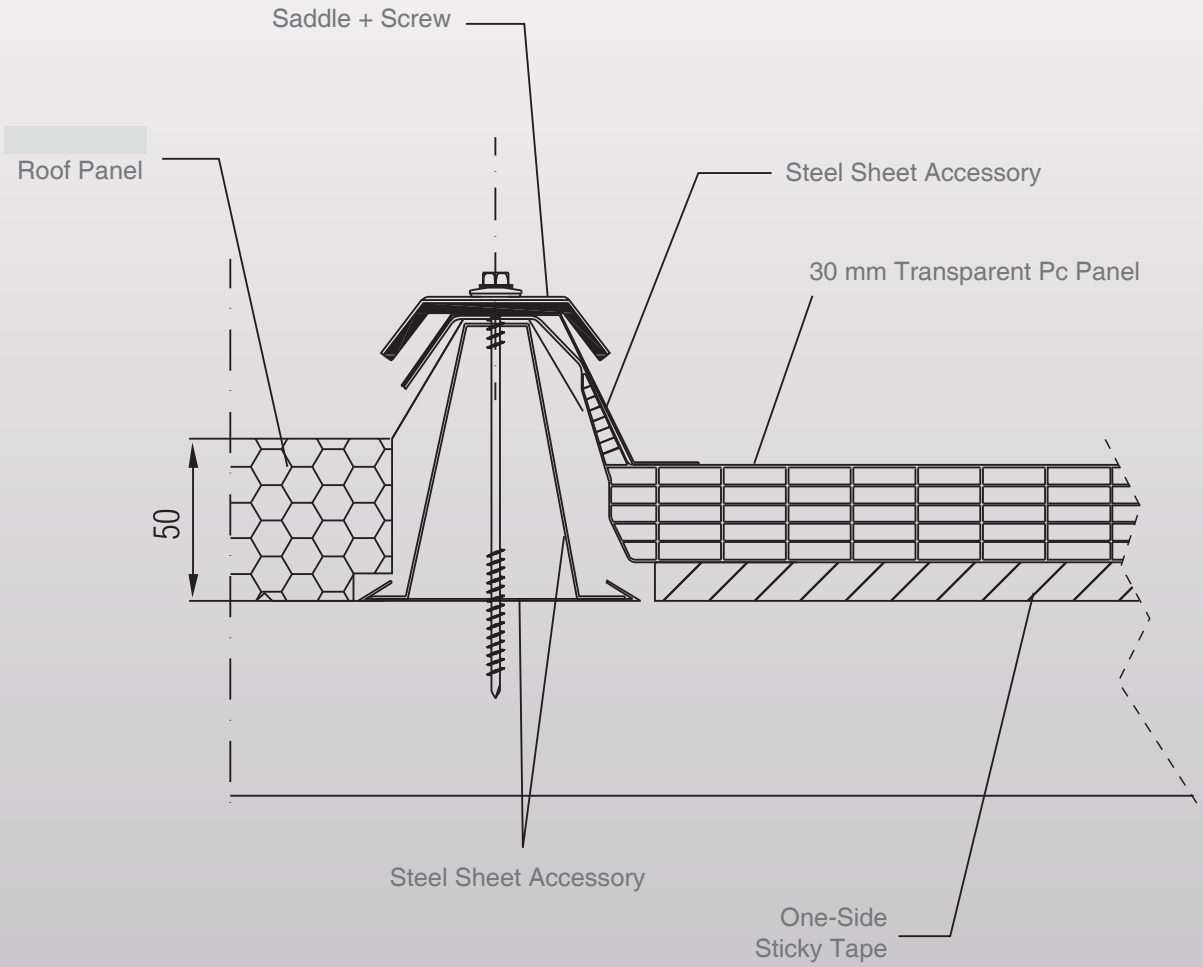

Coping
Triphane Screw
Bearing Purlin
Facade Panel
Association Screw
C-C Detail

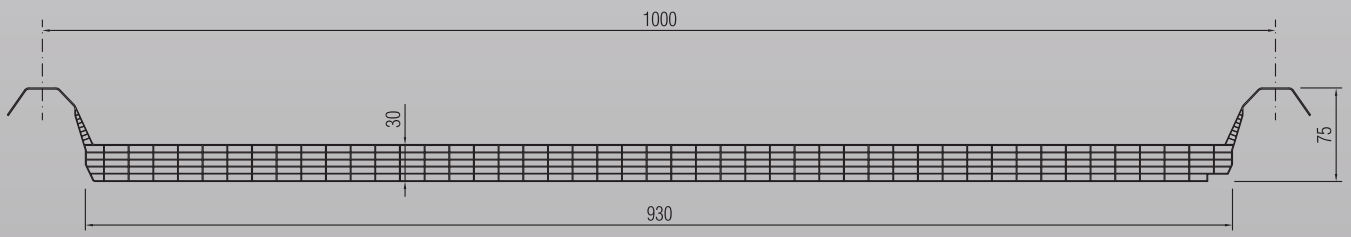

Coping Profile
Triphane Screw
Association Triphone
Facade Panel
Corner Chock
Corner Membrane (PVC -1.2 mm)
Membran (PVC -1.2 mm)
Roof Panel
Inside Parapet Profile
Roof Parapet Construction
Bearing Purlin
Facade Panel


Membrane (FG1.2 mm)
Membrane (FG1.2 mm)
Coping Profile
Triphane Screw
Association
Triphane
Roof Panel with
PVC Membrane
Bearing Purlin
PVC Coated
Steel Accesory
Wall
Gutter
Roof Const

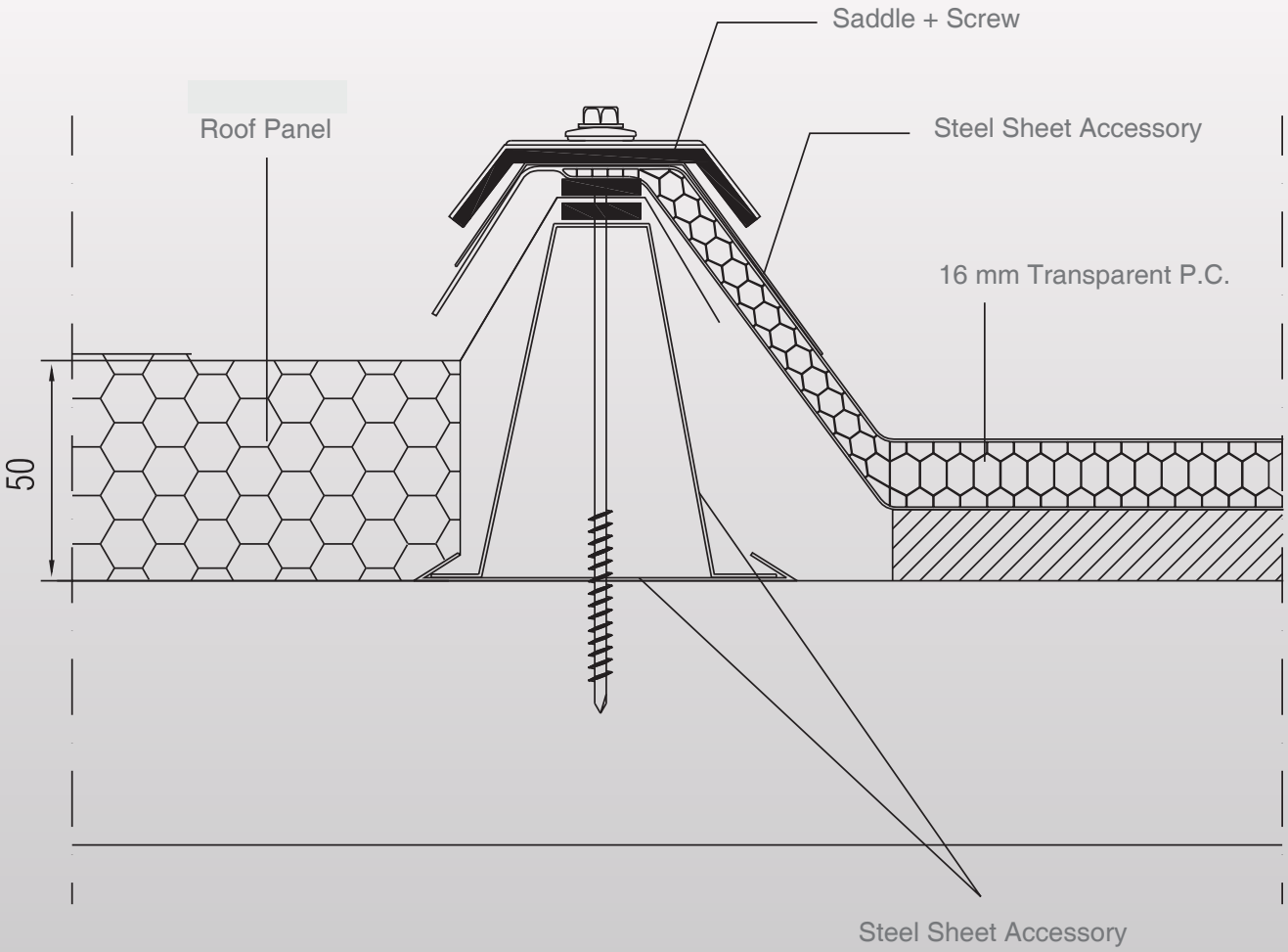

Facade Panel
Brace Clamp
Triphane Screw
Bottom Dropper

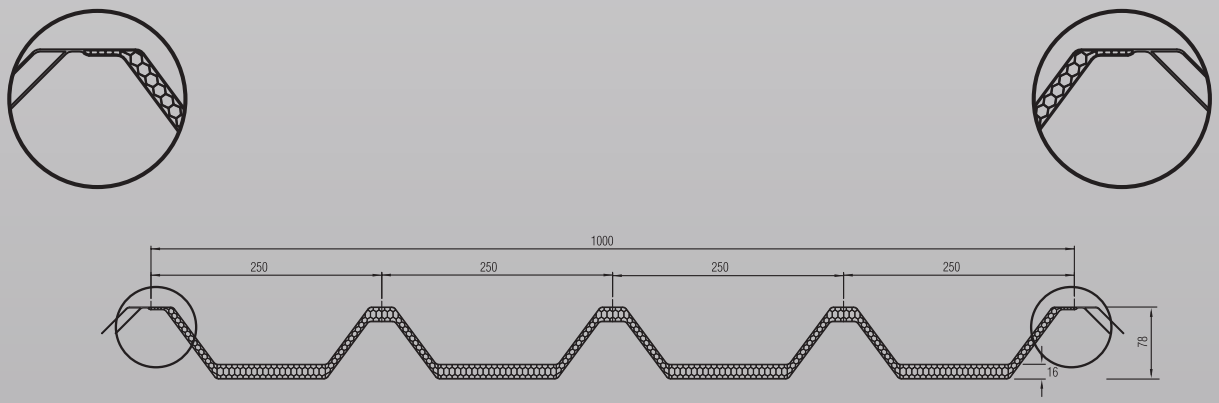

Corner Coating Profile
Facade Panel
Triphane Screw
Internal Corner Coating Profile
Association Screw
Bearing Purlin
Facade Panel

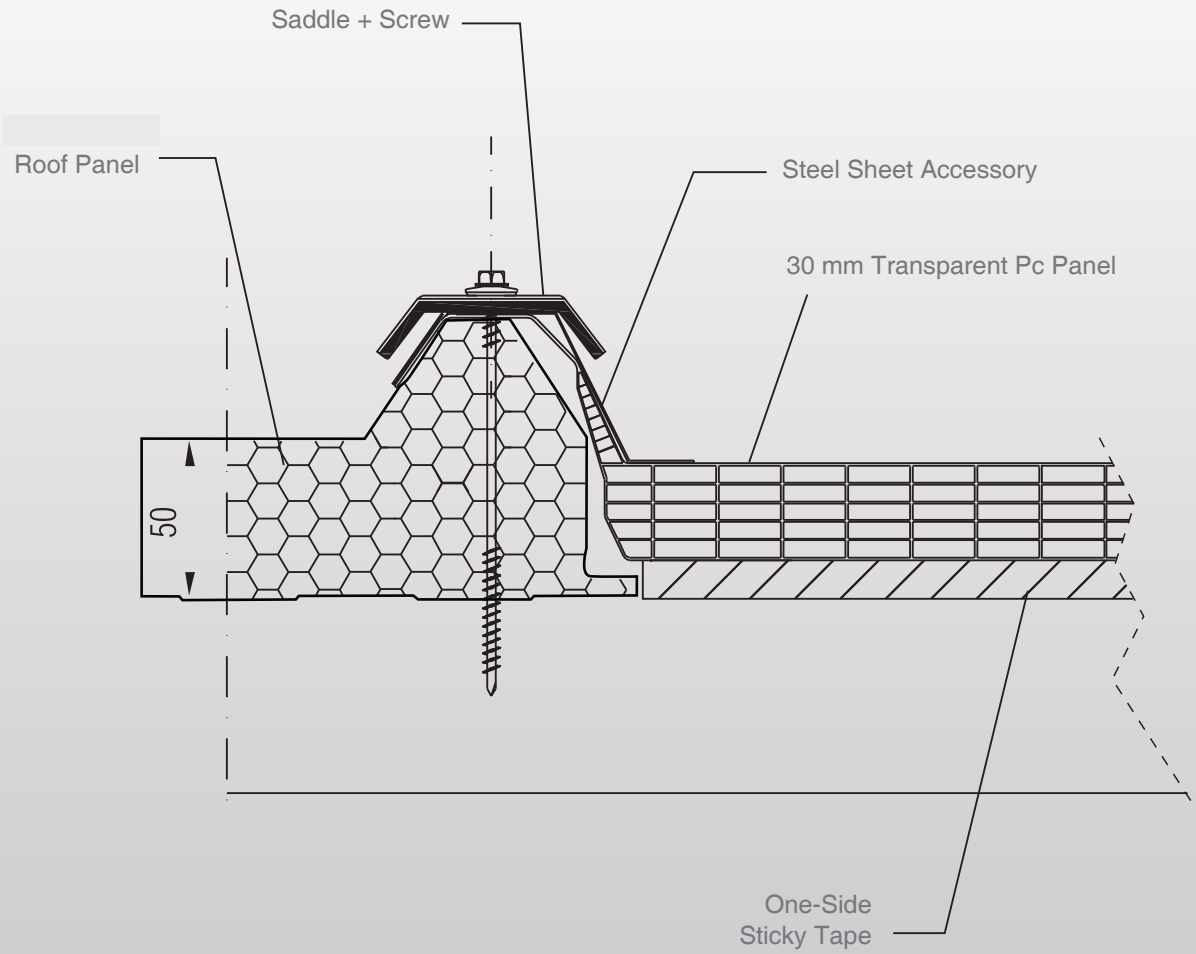

Saddle + Screw
Roof Panel
Steel Sheet Accessory
30 mm Transparent Pc Panel
50
Steel Sheet Accessory
One-Side
Sticky Tape

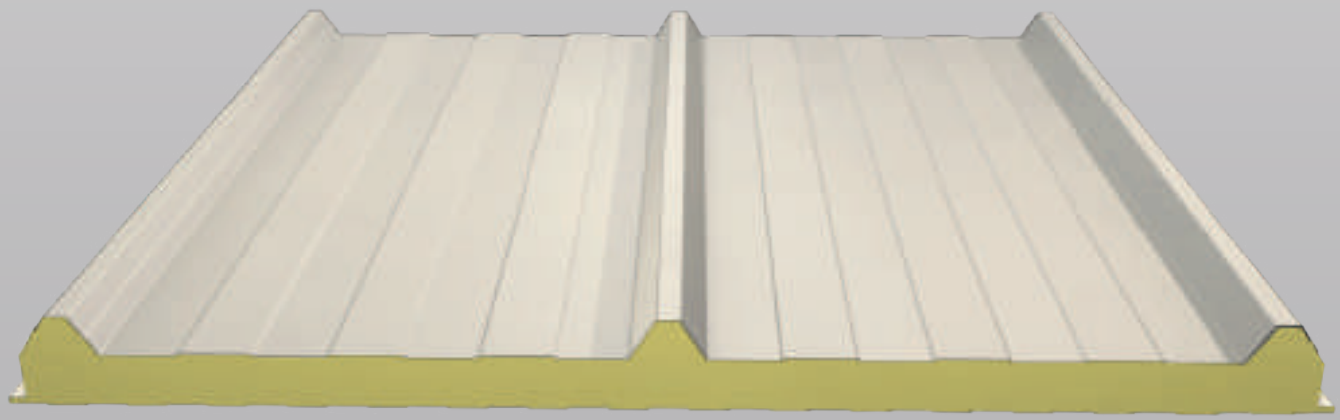

1000
30
75
930

POLYCARBONATE SKYLIGHT CONNECTION DETAIL

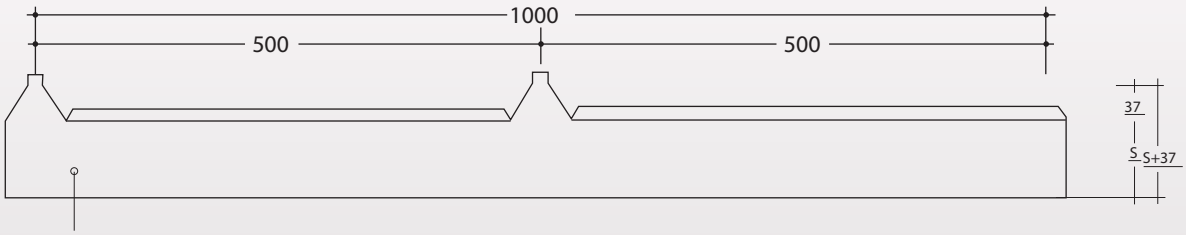




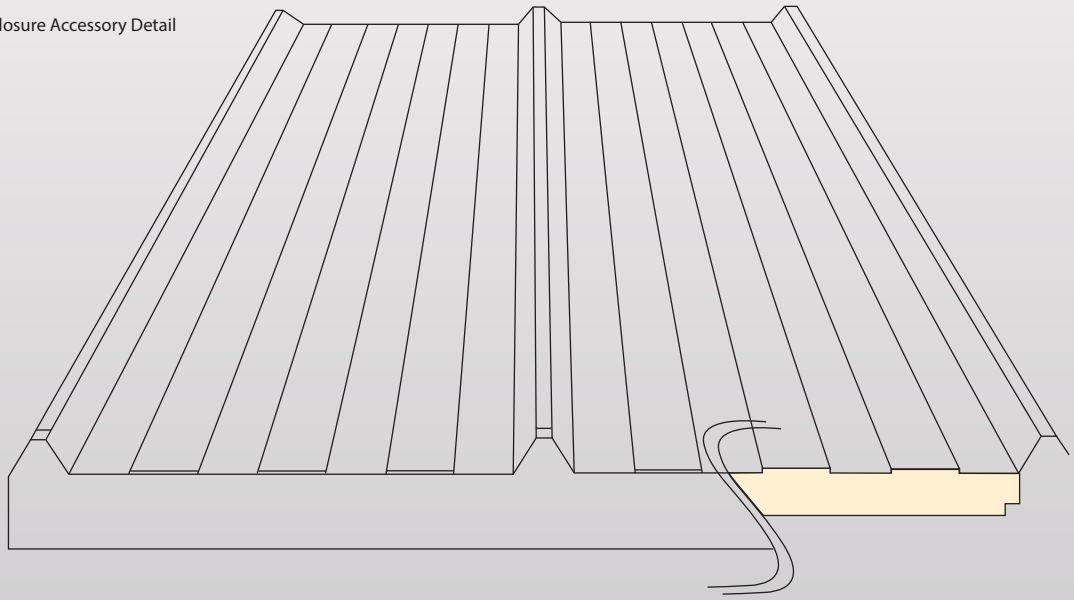

Saddle + Screw
Roof Panel
Steel Sheet Accessory
30 mm Transparent Pc Panel
50
One-Side
Sticky Tape



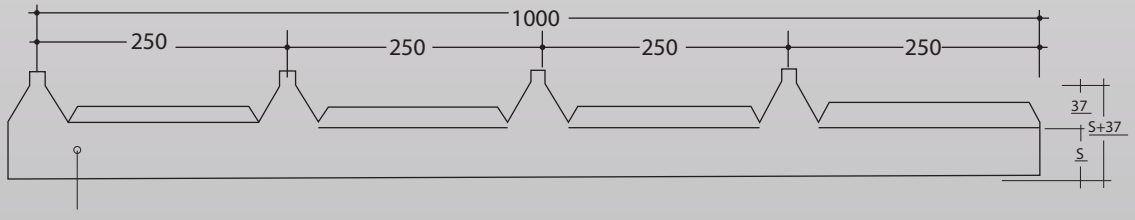
ROOF PANEL WITH 3 RIBS



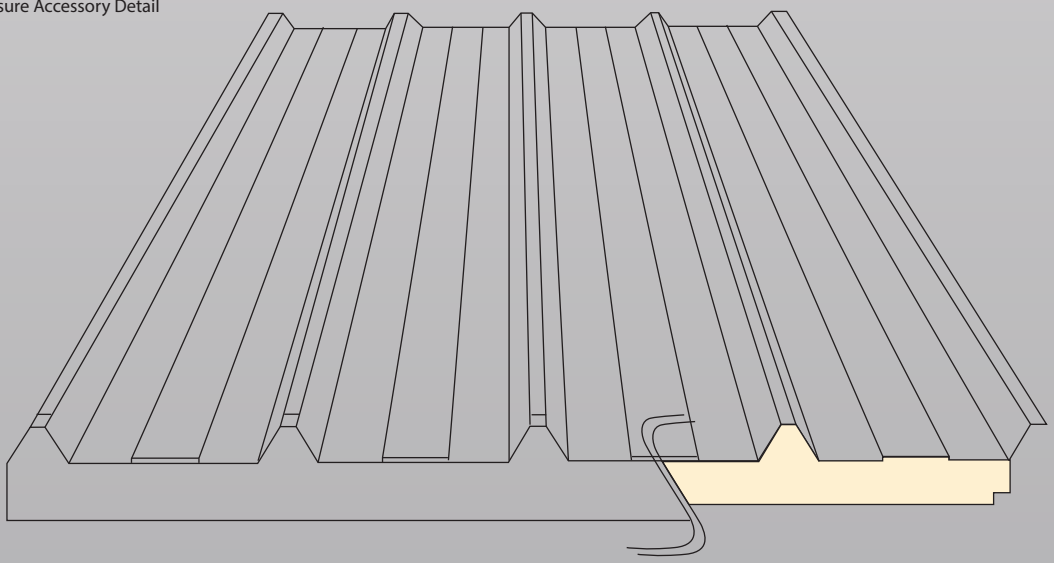
Facade Closure Accessory Detail



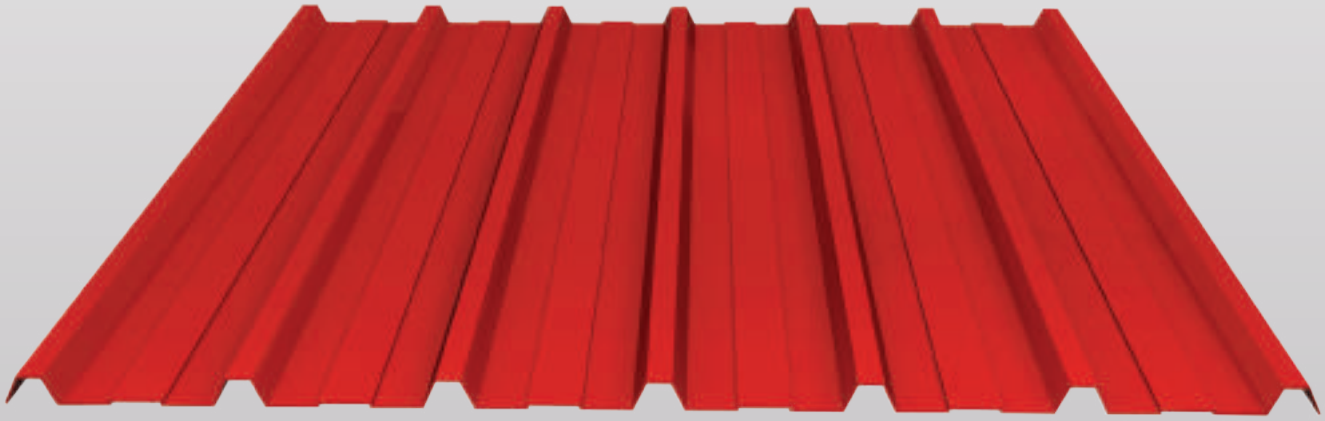
ROOF PANEL WITH 5 RIBS



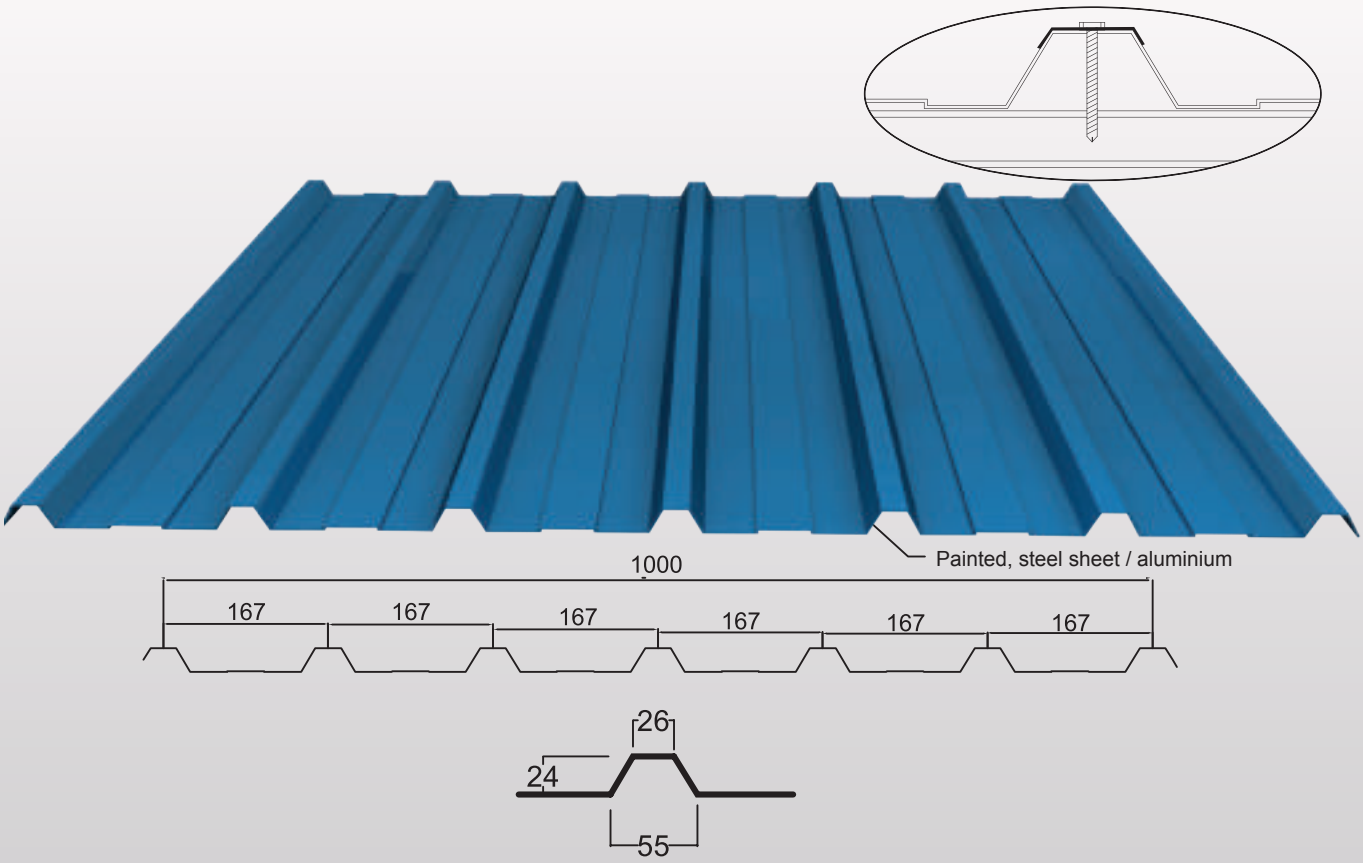
Facade Closure Accessory Detail



CORRUGATED SHEETS



CORRUGATED SHEETS WITH 7 RIBS

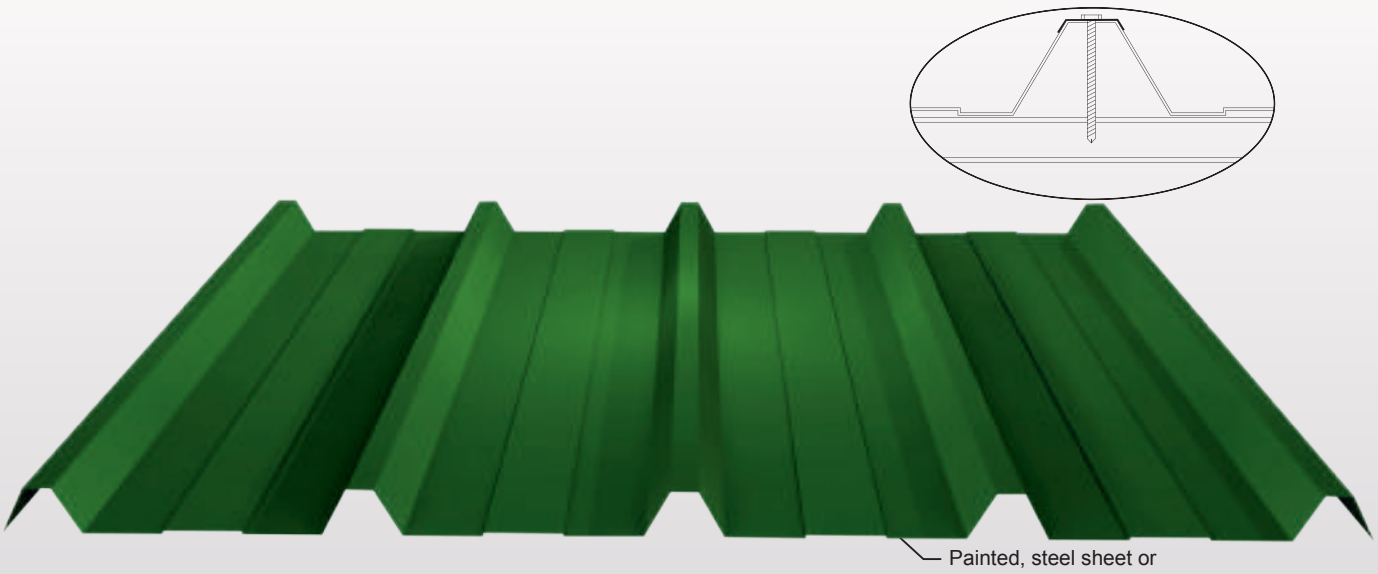


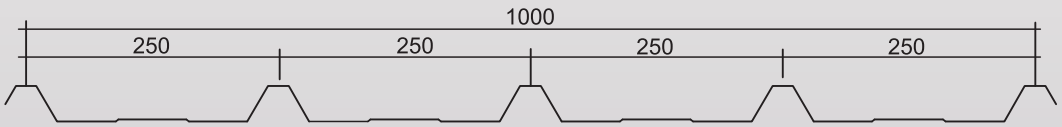
Technical Spesifications	24 / 1000
Width	1000
Height of Rib (mm)	24
Number of Rib (mm)	7
Coating (mm) Painted Galvanized Steel Sheet, Aluminium	0,50 - 1,20
Paint Type	Polyester, PVDF
Colour	RAL 9002[a]

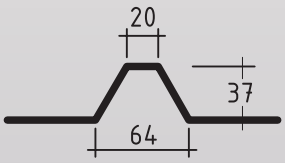
[a]It is a standart colour. In case of request, different colours can be provided.
Colour options can be reviewed at the last page.

24 / 1000	Load Bearing Chart						
Thickness (mm)	1,0	1,5	2,0	2,5	3,0	3,5	4,0
	Load (P=kg/m)						
0,5	382	170	83	43	25	15	11
0,6	500	223	110	56	33	21	14
0,7	630	280	139	72	42	26	18
0,8	790	343	168	87	50	31	21

* According to steel sheet thickness tolerances, differences can be obtained.







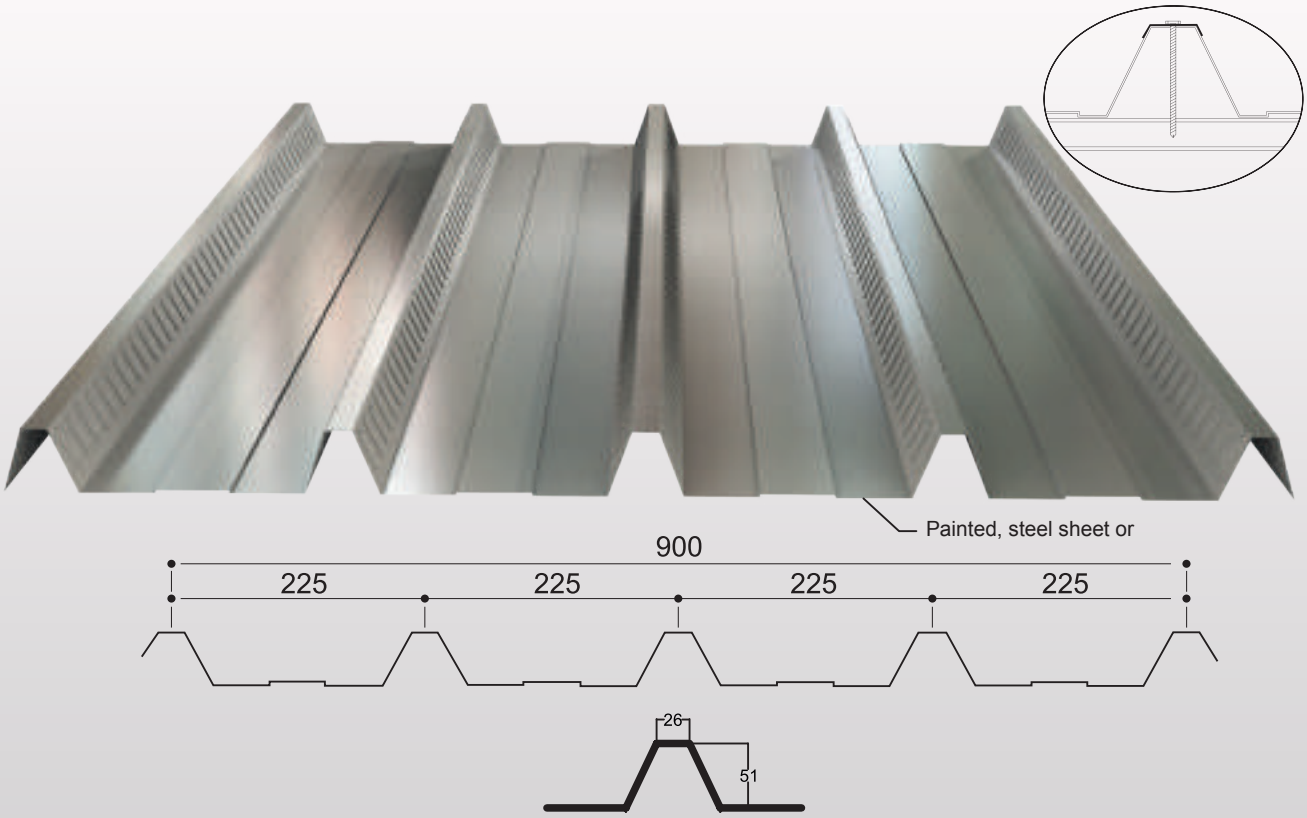
Technical Spesifications	37 / 1000
Width	1000
Height of Rib (mm)	37
Number of Rib (mm)	5
Coating (mm) Painted Galvanized Steel Sheet, Aluminium	0,50 - 1,00
Paint Type	Polyester, PVDF
Colour	RAL 9002[a]

[a] It is a standart colour. In case of request, different colours can be provided. Colour options can be reviewed at the last page.

37 / 1000	Load Bearing Chart						
Thickness (mm)	1,0	1,5	2,0	2,5	3,0	3,5	4,0
	Load (P=kg/m)						
0,5	400	180	100	65	44	28	19
0,6	490	220	130	80	55	35	24
0,7	580	260	150	93	64	45	31
0,8	665	305	170	108	75	52	35

* According to steel sheet thickness tolerances, differences can be obtained.

CORRUGATED SHEETS WITH 5 RIBS



Technical Spesifications	51 / 900
Width	900
Height of Rib (mm)	51
Number of Rib (mm)	5
Coating (mm) Painted Galvanized Steel Sheet, Aluminium	0,50 - 1,20
Paint Type	Polyester, PVDF
Colour	RAL 9002

In case of request, it can be embosed for under concrete.

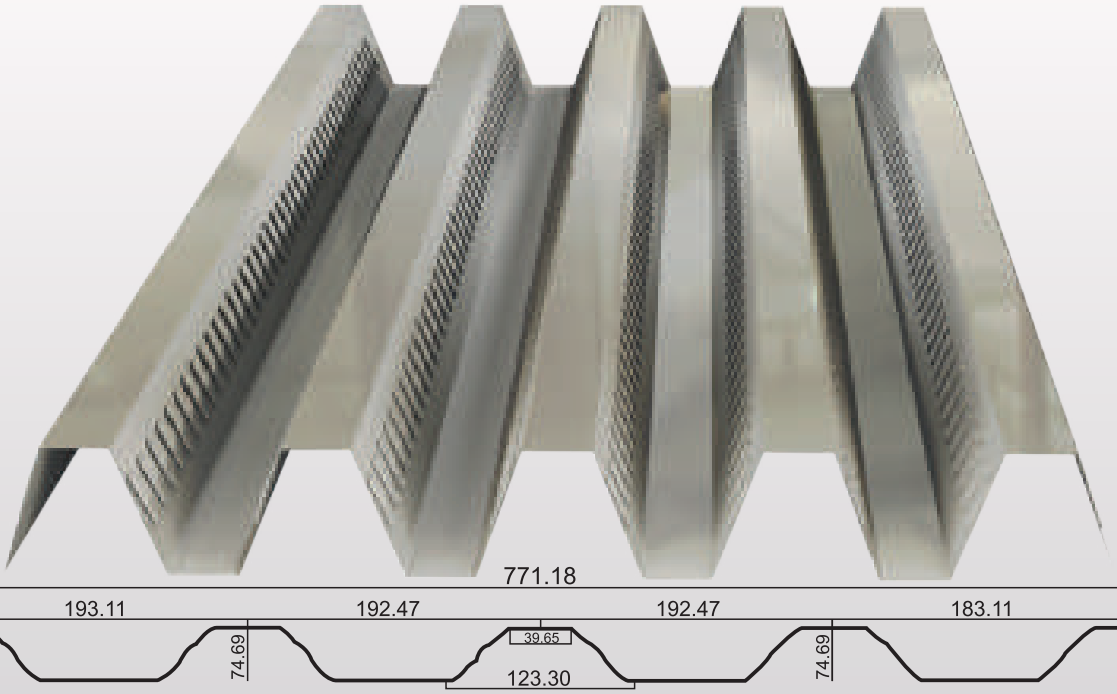
[a] It is a standart colour. In case of request, different colours can be provided. Colour options can be reviewed at the last page.

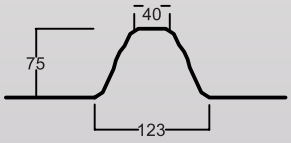
51 / 900	Load Bearing Chart						
Thickness (mm)	1,0	1,5	2,0	2,5	3,0	3,5	4,0
	Load (P=kg/m)						
0,5	813	361	203	130	90	66	47
0,6	995	442	249	159	111	81	59
0,7	1179	524	295	189	131	96	71
0,8	1366	607	342	219	152	112	84
0,9	1556	691	389	249	173	127	97
1,0	1745	775	436	279	194	142	109

* According to steel sheet thickness tolerances, differences can be obtained.

NTS 75 / 771

EMBOSSED CORRUGATED SHEETS for UNDER CONCRETE with 5 RIBS





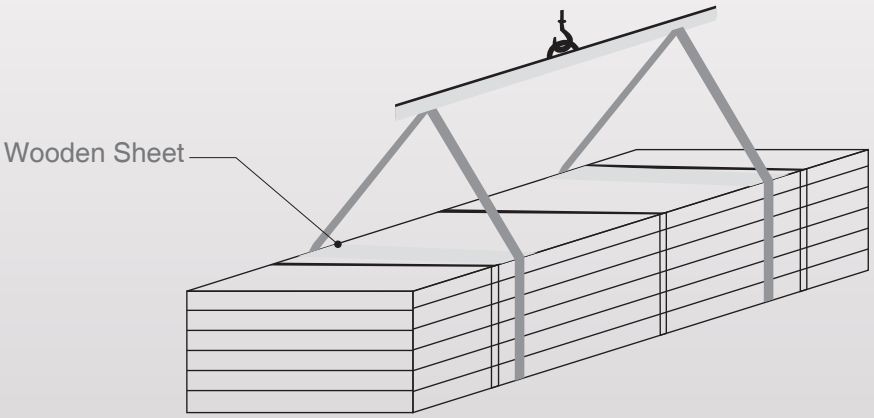
Technical Spesifications	75 / 771
Of Use Width	771
Distance Between Ribs	193
Height of Rib (mm)	75
Number of Ribs (mm)	5
Thickness	0,60 - 1,20
Paint Type	Polyester, PVDF
Colour	RAL 9002[a]

[a] It is a standart colour. In case of request, different colours can be provided. Colour options can be reviewed at the last page.

75 / 771	Load Bearing Chart							
Thickness mm	Weight kg / m²	3,0	3,5	4,0	4,5	5,0	5,5	6,0
		Load (P=kg/m)						
0,6	7,33	260	184	133	98	76	60	55
0,70	8,55	288	204	148	109	84	67	61
0,80	9,77	320	226	164	121	93	74	68
1,00	12,22	400	282	205	151	119	92	85

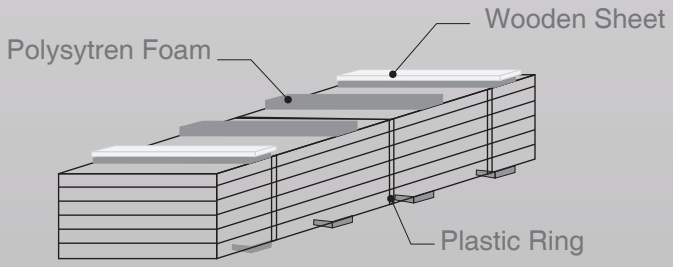
* According to steel sheet thickness tolerances, differences can be obtained.

LOADING, PACKING AND STORAGE

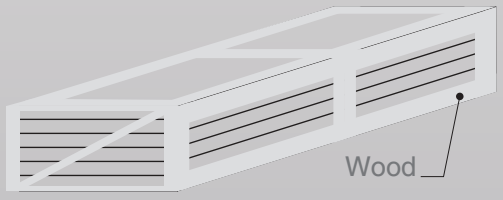


During loading - downloading, strong nylon or rubber straps should be used. Small size, can be connected as in the illustration.

Domestic Articulated Lorry Packing

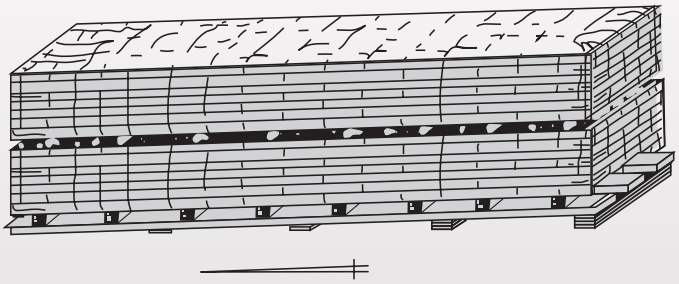


Export Sea-Shipment Articulated Lorry Packing



Long sizes load dispersion mechanism must be used, it should not be allowed to crush the side panel of the sling.

LOADING, PACKING AND STORAGE



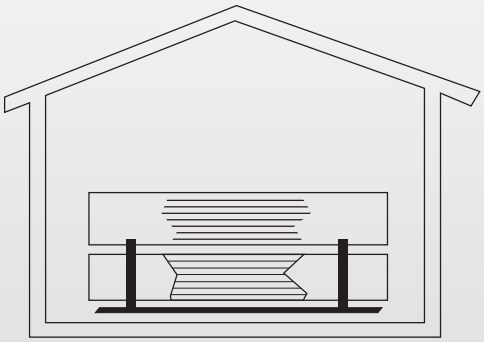
Storage
Products should be placed in flat, stable so as to be protected from pollution, humidity and damage. The elements must be prevented from water accumulation by placing slightly inclined. Packaging layer should be cut from the front to receive air.

If the element may not be used immediately, they must be protected from direct sunlight and bad weather, otherwise protective film may stick. More than two bales should be placed on top. Unless, aluminum panels will be used for a long time period, stacks should be opened and the panels should be stored as ribs on top and it should be protected from the weather conditions.

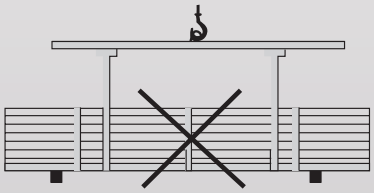
LOADING (CONTAINER)		
THICKNESS (S)	ROOF PANELS	FACADE PANELS
40 mm	68 pieces	90 pieces
50 mm	60 pieces	78 pieces
60 mm	52 pieces	66 pieces

LOADING(ARTICULATED LORRY - 13.60 m)		
THICKNESS (S)	(13 m) ROOF PANEL	(13 m) FACADE PANEL
40 mm	1040 m^2 / 80 pieces	1430 m^2 / 110 pieces
50 mm	806 m^2 / 62 pieces	1092 m^2 / 84 pieces
60 mm	780 m^2 / 60 pieces	936 m^2 / 72 pieces

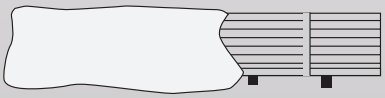
LOADING, PACKING AND STORAGE



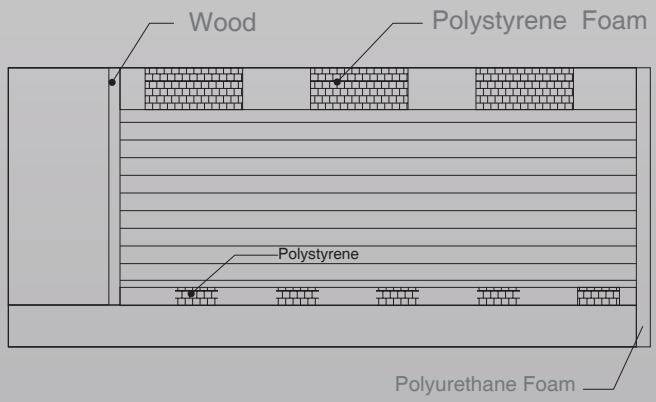
For stacking on top of the other, lower support should not be larger than 150 cm. In appropriate conditions and short term holding, maximum 3 packages can be superposed. No more than 2 packages storage is recommended.

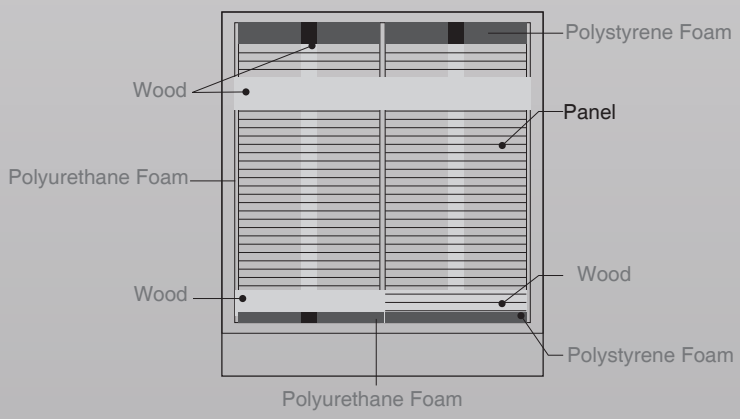


Keep away from superposing for long term holding. The top of the stack should be covered against rain and sun.



Rockwool panels should not be exposed to rainfall in any way during the storage.





Considering the role of the type of content of polymer binder in the dye, painted plates can be classified as follows ;

Polyester (SP) Based Steel Sheet: The most important characteristics of the polyester paints are, wide range of color and brightness choice and economy. According to this, they can be widely used. Besides, elasticity, resistance to abrasion, resistance to corrosion, resistance to humidity and impact resistance are high.

Foreign strength, the low chalking resistance and gloss retention can be listed as weaknesses. Polyester coating thickness can vary between 60µm with 20-25µm depending on usage area and expected performance. Widespread use of polyester coated sheet steel; roof-facade closures, sandwich panels, garage doors, ceiling lfoor, clamp construction, white appliances and water drainage systems.

PVDF Based Painted Steel Sheet: The most important characteristics of the PVDF paints are, color and brightness resistance, chalking resistance and resistance to many chemicals are high. Also, elasticity, impact resistance and resistance to abrasion are good.

The low scratch resistance, color and brightness of the lack of options, specified as diverse as polyester paint can be counted as weaknesses. PVDF paints thickness can be vary between 25 µm-28 µm. Widespread use of PVDF coated sheet steel because they have the best color and brightness stability, they can be used roof and facade closures, sandwich panels where the efficient of sun high. Also, they are suitable for composite production, and advertisement panels.

Polyurethane Based Painted Steel Sheet (PUR-PA): This type of paint with polyamide reinforced has a very high scratch and abrasion resistance. Polyurethane-based paints are applied as smooth or textured(PUR-PA Texture). Corrosion resistance, color and gloss retention and forms shapeability is also good. Although polyurethane paint thickness can be vary between 20 µm-25 µm, greater thickness options can be obtained. Widespread use of polyurethane coated sheet steel; Because of the high scratch resistance, they are preferred in applications where scratch resistance is important as production such as garage doors and blinds (roller shutter) .

Plastisol Based Painted Steel Sheet (PVC(P)): According to other types of paint they have much higher application thickness. 100-200 µm dry film thicknesses are widely used. The most important characteristics are resistance to corrosion and humidity and also suitability of embossing application. Paint types are suitable as a bend and shape. The color and brightness strengths can be specified as the weaknesses. Therefore, in regions where solar radiation is not very effective (i.e. Northern Europe) it is widely used. Widespread use of plastisol base sheet steel; The applications where UV resistance is not very important and roof-facade closures requiring high corrosion resistance of the coatings.

For Polyester, PVDF and Polyurethane based painted steel sheet, standart applications are 25±3µ for non-metallic colours and 23±3µ for metallic colours. Different thickness applications are also possible. 100-200 µm dry film thicknesses (with tolerance) are used.

Source: MMK Metallurgy

Group 1000	Group 2000	Group 3000	Group 4000	Group 5000
R1000 : P4525	R2000 : P152	R3000 : P484	R4001 : P484	R5000 : P533
R1001 : P728	R2001 : P173	R3001 : P484	R4002 : P201	R5001 : P302
R1002 : P465	R2002 : P485	R3002 : P187	R4003 : P205	R5002 : P288
R1003 : P137	R2003 : P164	R3003 : P704	R4004 : P505	R5003 : P540
R1004 : P124	R2004 : P1655	R3004 : P91	R4005 : P667	R5004 : P Black 6
R1005 : P131	R2008 : P1585	R3005 : P490	R4006 : P465	R5005 : P294
R1006 : P144	R2009 : P172	R3007 : P4975	R4007 : P5185	R5007 : P5405
R1007 : P144	R2010 : P1665	R3009 : P181	R4008 : P689	R5008 : P433
R1011 : P723	R2011 : P1585	R3011 : P1815	R40089 : P Cool gray	R5009 : P3025
R1012 : P612	R2012 : P178	R3012 : P729		R5010 : P541
R1013 : P468		R3013 : P484		R5011 : P289
R1014 : P467		R3014 : P709		R5012 : P307
R1015 : P726		R3015 : P197		R5013 : P5255
R1016 : P604		R3016 : P180		R5014 : P646
R1017 : P150		R3017 : P1787		R5015 : P3015
R1018 : P123		R3018 : P710		R5017 : P2945
R1019 : P479		R3020 : P485		R5018 : P3145
R1020 : P4505		R3022 : P178		R5019 : P301
R1021 : P1235		R3027 : P186		R5020 : P3155
R1023 : P1235		R3031 : P1805		R5021 : P3155
R1024 : P722				R5022 : P276
R1027 : P1255				R5023 : P5405
R1028 : P137				R5024 : P5483
R1032 : P124				
R1033 : P1375				
R1034 : P715				
R1037 : P715				

Group 6000	Group 7000	Group 8000	Group 9000
R6000 : P568	R7000 : P424	R8000 : P464	R9000 : P1
R6001 : P349	R7001 : P444	R8001 : P471	R9002 : P420
R6002 : P349	R7002 : P Warm gray 10	R8002 : P478	R9003 : P705
R6003 : P448	R7003 : P417	R8003 : P4635	R9004 : P Black 6
R6004 : P316	R7004 : P423	R8004 : P4635	R9005 : P Black
R6005 : P3308	R7005 : P431	R8007 : P478	R9010 : P Cool gray 1
R6006 : P419	R7006: P Warm gray 11	R8008 : P463	R9011 : P Black 6
R6007 : P5605	R7008 : P463	R8011 : P477	R9016 : P705
R6008 : P Black	R7009 : P405	R8012 : P175	R9017 : P Black
R6009 : P5467	R7010 : P5477	R8014 : P4695	R9018 : P464
R6010 : P349	R7011 : P5477	R8015 : P175	
R6011 : P625	R7012 : P445	R8016 : P4695	
R6012 : P5467	R7013 : P449	R8017 : P497	
R6013 : P417	R7015 : P446	R8018 : P412	
R6014 : P Black	R7016 : P433	R8020 : P Black 6	
R6015 : P426	R7021 : P419	R8023 : P471	
R6016 : P342	R7022 : P465	R8024 : P4705	
R6017 : P364	R7023 : P424	R8025 : P4705	
R6018 : P363	R7024 : P432	R8028 : P4695	
R6019 : P557	R7026 : P Black 7		
R6020 : P5535	R7030 : P416		
R6021 : P624	R7031 : P445		
R6022 : P Black	R7032 : P Warm gray 5		
R6024 : P348	R7033 : P5625		
R6025 : P371	R7034 : P Warm gray 8		
R6025 : P2735	R7035 : P421		
R6027 : P631	R7036 : P Cool gray 8		
R6028 : P3305	R7037 : P424		
R6029 : P349	R7038 : P429		
R6032 : P3288	R7039 : P431		

RTE TRADING

Import - Export

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