



PANNEAUX DU MAGHREB

GHEDAMSI GROUP
since 1986



*Together
we build the future*

www.panneauxdumaghreb.com.tn

Company Presentation:

The company PANNEAUX DU MAGHREB, located in Sousse, Tunisia, is part of the GHEDAMSI group. PANNEAUX DU MAGHREB specializes in the production of sandwich panels, particularly panels for roofing, cladding, and cold rooms, along with all their accessories.

As part of the growth of our group, PANNEAUX DU MAGHREB has several strengths: it positions itself as a local leader in metal sheet processing and the manufacture of five-rib sandwich panels made of two metal sheet coatings bonded together by a CFC-free polyurethane foam insulating layer, which provides both high aesthetic yield and strong static resistance.

Our prices are highly competitive locally and internationally, thanks to efficient cost management and a policy of continuously seeking synergies. Importantly, PANNEAUX DU MAGHREB is ISO 9001 certified.

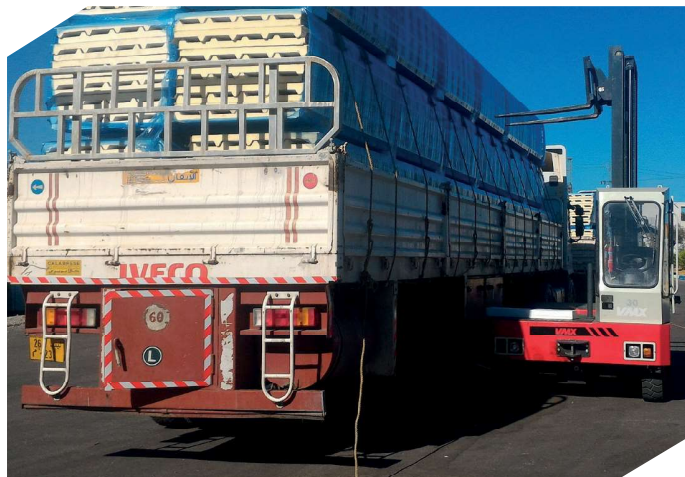
For this reason, customer satisfaction is a major concern for our company and a key determinant of long-term success. Listening to our customers, anticipating their needs, and managing their complaints effectively is a source of value for us.

We are taking up the challenge and deploying a wide range of customer service strategies today, leading to continuous improvement as perceived by our clients, whose trust is becoming a competitiveness factor. Optimizing customer services requires increasing investments in organization, technology, and training.

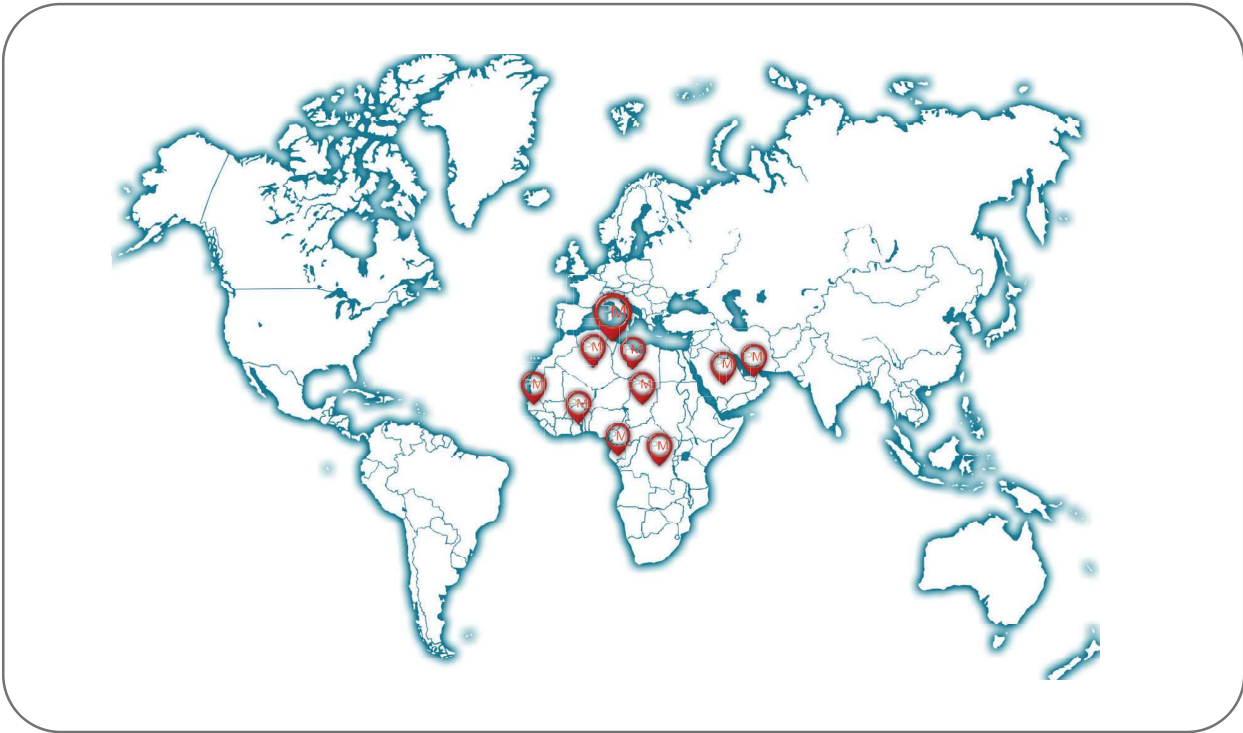
Dear partners, the challenges of innovation and the adoption of new construction methods in the building sector are becoming increasingly significant, making it essential to make greater efforts to adapt to new economic and ecological parameters and better meet market demand in terms of quantity and quality.

We look forward to seeing you soon among our loyal customers and remain at your disposal for any further information you may need.

Sandwich Panels ISOTHERMAL



Exportation :



Certification :

Fire behavior

B

Smoke production

s

2

Flaming droplets

d

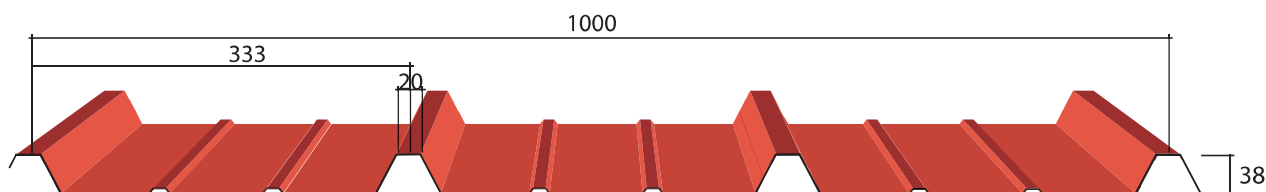
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Fire reaction classification : B – s2, d0



Ribbed sheet (TN35)

The 4-rib profile is used for dry roofing and vertical cladding in industrial buildings, commercial buildings, shopping centers, production workshops, agricultural warehouses, and homes.



Number of ribs	4
Useful width	1 meter
Minimum length	2 meters
Maximum length	12 meters
Type of metal	Pre-painted galvanized steel sheet
Standard external metal thickness	0.50/0.63/0.75 mm
Applicable standard	EN 10169/NT26.161
Steel identification	Grade S250, S280, S320, DX51D

Static properties (kg/m²) :



Pre-lacquered galvanized steel

SHEET THICKNESS (mm)	Unfactored loads daN/m ³									WEIGHT (Kg/m ²)
	50	75	100	125	150	175	200	225	250	
0,63	2,65	2,65	2,6	2,4	2,25	2,15	2	1,9	1,7	5,78
0,75	3	3	2,75	2,6	2,45	2,3	2,15	2,05	1,9	6,88
0,88	3,6	3,2	2,9	2,7	2,55	2,45	2,35	2,25	2,2	8,08
1	3,7	3,3	3,05	2,85	2,65	2,55	2,45	2,7	2,45	9,18
1,25	3,95	3,55	3,25	3,05	2,85	2,75	2,6	2,5	2,45	11,48

Normal deflection limit : $\leq 1/200$

Static properties (kg/m²) :



Pre-lacquered galvanized steel

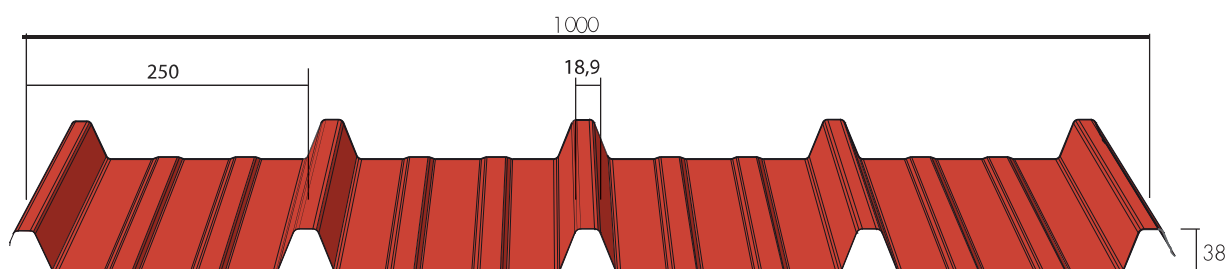
SHEET THICKNESS (mm)	Unfactored loads daN/m ³									WEIGHT (Kg/m ²)
	50	75	100	125	150	175	200	225	250	
0,63	2,85	2,85	2,85	2,65	2,45	2,25	2,1	1,9	1,7	5,78
0,75	3,6	3,5	3,2	2,9	2,65	2,5	2,3	2,2	1,95	6,88
0,88	4,15	3,75	3,45	3,2	3	2,8	2,6	2,5	2,3	8,08
1	4,4	3,95	3,6	3,35	3,2	3,05	2,85	2,5	2,85	9,18
1,25	4,7	4,2	3,85	3,6	3,4	3,25	3,1	3	3,85	11,48

Normal deflection limit : $\leq 1/200$



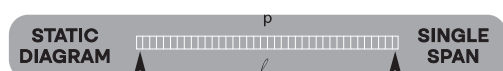
Ribbed sheet (TN40)

The 5-rib profile is used in dry roofing and vertical cladding for industrial buildings, commercial buildings, shopping centers, production workshops, agricultural warehouses, and residences.



Number of ribs	5
Useful width	1 meter
Minimum length	2 meters
Maximum length	12 meters
Type of metal	Pre-painted galvanized steel sheet
Standard external metal thickness	0.50/0.63/0.75 mm
Applicable standard	EN 10169/NT26.161
Steel identification	Grade S250, S280, S320, DX51D

Static properties (kg/m²):



Pre-lacquered galvanized steel

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)					WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	
0,5	125	65				4,90
0,6	175	85				5,95
0,8	280	110	50			7,95
1	345	140	65			10,04

p = Kg/mq uniformly distributed - Support tile width: 10mm
Normal deflection limit: $\frac{1}{200}$



Static properties (kg/m²):



Pre-lacquered galvanized steel

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)					WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	
0,5	125	80	55			4,90
0,6	170	105	75	55		5,95
0,8	250	160	110	75		7,95
1	340	215	150	95	55	10,04

p = Kg/mq uniformly distributed - Support tile width: 50mm
Normal deflection limit: $\frac{1}{200}$

Static properties (kg/m²):



Pre-lacquered galvanized steel

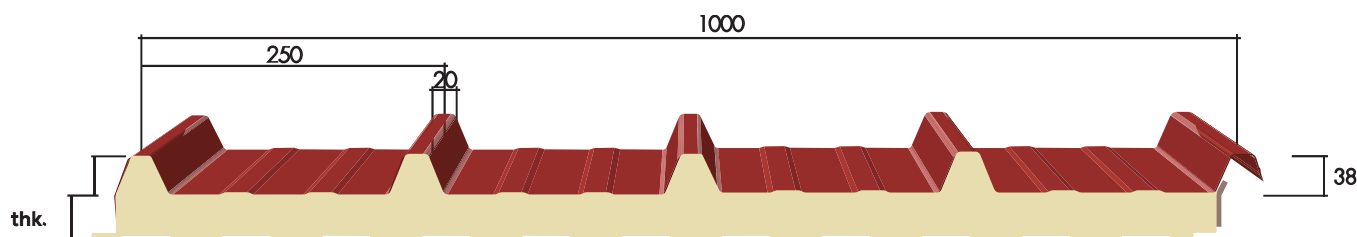
SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)					WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	
0,5	155	95	65			4,90
0,6	205	130	85			5,95
0,8	305	195	110	60		7,95
1	415	265	135	70		10,04

p = Kg/mq uniformly distributed - Support tile width: 50mm
Normal deflection limit: $\frac{1}{200}$



Roofing Panel (C)

The 5-rib sandwich roofing panel is composed of two metal sheet coverings bonded together by a layer of polyurethane insulation. It offers great aesthetic appeal, good static resistance, and high load-bearing performance. It should be noted that its versatile use, combined with its visual appeal, makes it the most sold and sought-after panel on the market.



Useful width	1 meter
Minimum length	2 meters
Maximum length	17 meters
Insulating core	Rigid CFC-free polyurethane foam (PUR) Polyisocyanurate foam (PIR)
Density	40 (+/- 3) Kg/m ³
Panel thickness	40/50/60/80/ 100 mm
Fire rating	B.S3.d0/ B S2 d0
Type of metal	Pre-painted galvanized sheet
Standard thickness of external metal	0.40/ 0.50 mm
Thermal conductivity	0,022W / m. °C
Applicable standards	EN 12667/NT 79.68 ; EN 10169/NT26.161 EN 14509 ; EN 13501-1
Steel identification	Grade S250, S280, S320, DX51D

Static properties (kg/m²) :

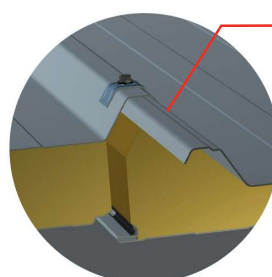


SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
40	290	200	135	90	65						8,17
50	315	230	160	115	85	65					8,55
60	370	275	195	145	110	85	60				8,93
80	485	360	265	200	155	120	95	70	50		9,69
100	595	445	340	260	200	160	125	105	80	60	10,45

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509.
Normal deflection limit : 1/200

Thermal properties

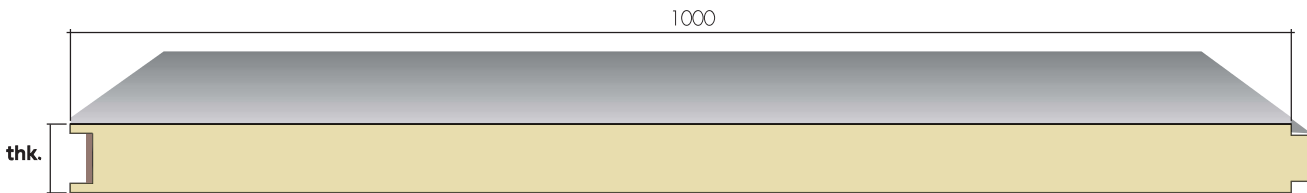
U Conductivity W/m ² K Kcal/m ² h °C	Panel thickness (mm)				
	40	50	60	80	100
	0,551	0,446	0,375	0,285	0,220
	0,475	0,385	0,324	0,246	0,190



Fixation

Cladding Panel (B)

The sandwich cladding panel is a self-supporting panel specifically designed for creating movable partitions, prefabricated garages, cold rooms, exhibition stands, sliding gates, and false ceilings. It is an ideal component for projects requiring a lightweight, strong, and insulating product that prevents air passage and thermal bridging. It is the perfect product for false ceilings and insulating wall cladding. With its "slatted," "grooved," "smooth," and "diamond" versions, it contributes to the design of a new architecture that is clear, simple, and uniform.



Useful width	1 meter
Minimum length	2 meters
Maximum length	17 meters
Insulating core	Rigid CFC-free polyurethane foam (PUR) Polyisocyanurate foam (PIR)
Density	40 (+/- 3) Kg/m ³
Panel thickness	40/50/60 mm
Fire rating	B.S3.d0/ B S2 d0
Type of metal	Pre-painted galvanized sheet
Standard thickness of external metal	0.40/ 0.50 mm
Thermal conductivity	0,022W / m. °C
Applicable standards	EN 12667/NT 79.68 ; EN 10169/NT26.161 EN 14509 ; EN 13501-1
Steel identification	Grade S250, S280, S320, DX51D

Available finishes (to specify when ordering)



Grooved



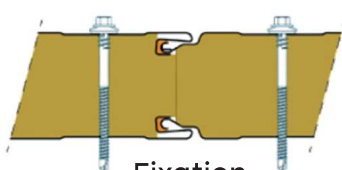
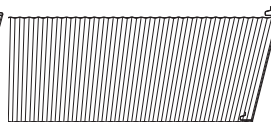
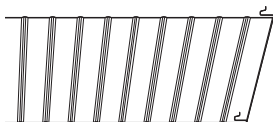
Ribbed



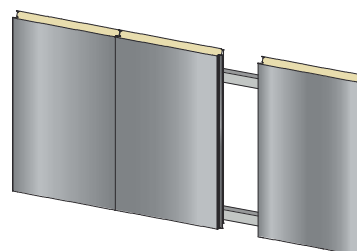
Diamond-patterned



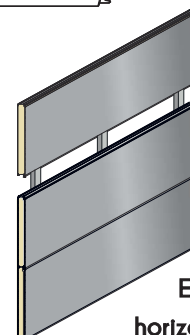
Smooth



Fixation



Example of
vertical mounting



Example of
horizontal mounting



Thermal properties

U transmittance	Panel thickness (mm)		
	40	50	60
W/m ² K	0,55	0,44	0,37
Kcal/m ² h °C	0,47	0,38	0,32

Thermal properties (kg/m²)



EXTERNAL face :
Steel 0,4 mm
INTERNAL face :
Steel 0,4 mm

Effective width
support: 120 mm

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
40	236	145	115	90	65	50					7,42
50	297	185	150	115	85	65	50				7,81
60	357	225	180	140	105	80	60	50			8,20

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509. Normal deflection limit : 1/200 *l*

Thermal properties (kg/m²)



EXTERNAL face :
Steel 0,4 mm
INTERNAL face :
Steel 0,4 mm

Effective width
support: 120 mm

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
40	195	125	95	-	65	50					7,42
50	245	160	-	100	80	65	50				7,81
60	295	195	155	125	95	75	-	50			8,20

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509. Normal deflection limit : 1/200 *l*

Thermal properties (kg/m²)



EXTERNAL face :
Steel 0,4 mm
INTERNAL face :
Steel 0,4 mm

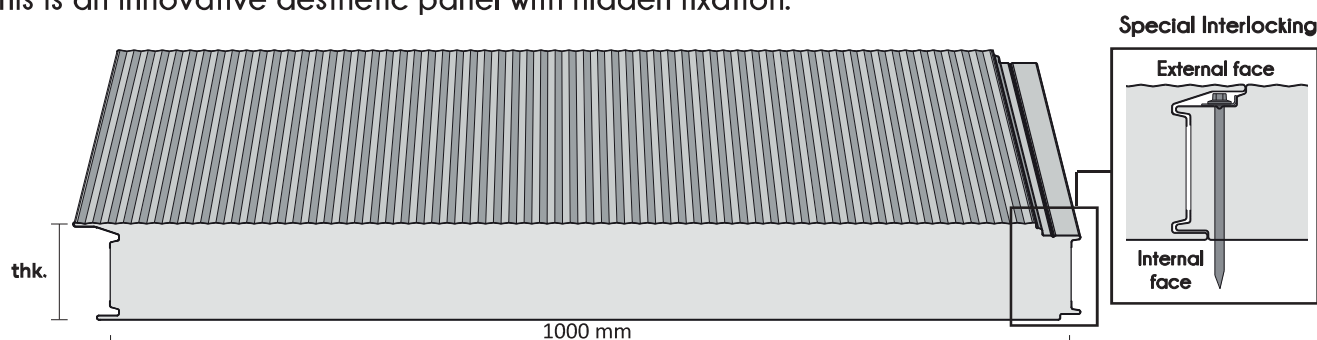
Effective width
support: 120 mm

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
40	195	125	100	80	70	60	50				7,42
50	245	160	125	105	90	75	60	50			7,81
60	295	195	155	125	110	85	70	55	50		8,20

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509. Normal deflection limit : 1/200 *l*

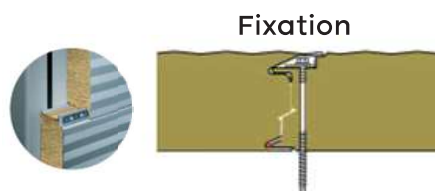
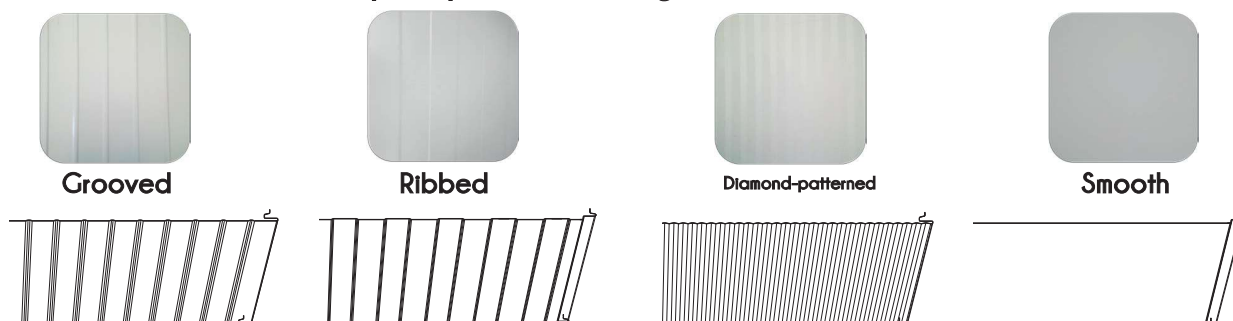
Cladding Panel with Hidden Screws (BVC)

The sandwich cladding panel is a self-supporting panel specifically designed for creating movable partitions, prefabricated garages, cold rooms, exhibition stands, sliding gates, and false ceilings. It is an ideal component for projects requiring a lightweight, strong, and insulating product that prevents air passage and thermal bridging. It is the perfect product for false ceilings and insulating wall cladding. With its "slatted," "grooved," "smooth," and "diamond" versions, it contributes to the design of a new architecture that is clear, simple, and uniform. This is an innovative aesthetic panel with hidden fixation.



Useful width	1 meter
Minimum length	2 meters
Maximum length	17 meters
Insulating core	Rigid CFC-free polyurethane foam (PUR) Polyisocyanurate foam (PIR)
Density	40 (+/- 3) Kg/m ³
Panel thickness	40/50/60 mm
Fire rating	B.S3.d0 / B S2 d0
Type of metal	Pre-painted galvanized sheet
Standard thickness of external metal	0.40 / 0.50 mm
Thermal conductivity	0,022W / m. °C
Applicable standards	EN 12667/NT 79.68 ; EN 10169/NT26.161 EN 14509 ; EN 13501-1
Steel identification	Grade S250, S280, S320, DX51D

Available finishes (to specify when ordering)



Thermal properties

U conductivity	Panel thickness (mm)		
	40	50	60
	W/m² K	0,551	0,447
Kcal/m ² h °C	0,475	0,385	0,324

Static properties (kg/m²)



External face : steel 0,4mm. Internal face : steel 0,4mm.

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
40	236	145	115	90	65	50					7,56
50	297	185	150	115	85	65	50				7,95
60	357	225	180	140	105	80	60	50			8,34

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509.
Normal deflection limit : 1/200

Static properties (kg/m²)

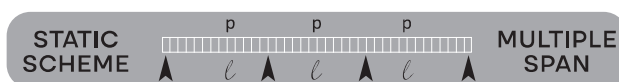


External face : steel 0,4mm. Internal face : steel 0,4mm.

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
40	195	125	95	-	65	50					7,56
50	245	160	-	100	80	65	50				7,95
60	295	195	155	125	95	75	-	50			8,34

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509.
Normal deflection limit : 1/200

Static properties (kg/m²)



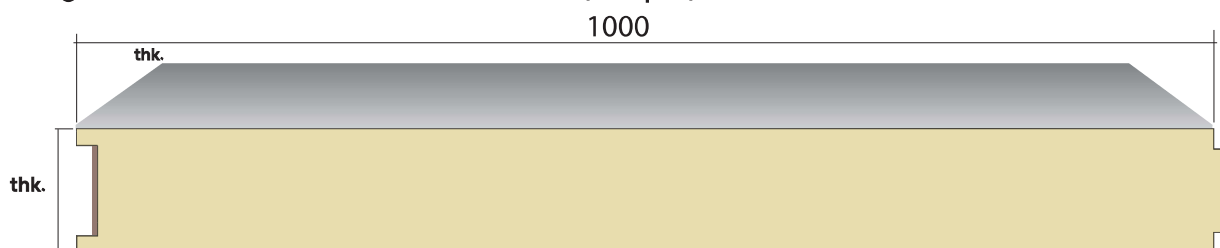
Face externe: acier 0,4 mm. - Face interne: acier 0,4 mm.

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
40	195	125	100	80	70	60	50				7,56
50	245	160	125	105	90	75	60	50			7,95
60	295	195	155	125	110	85	70	55	50		8,34

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509.
Normal deflection limit : 1/200

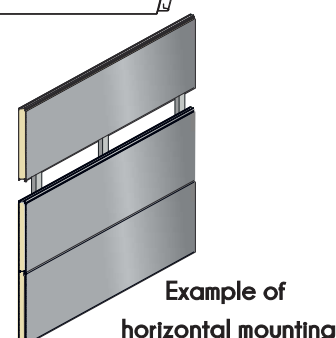
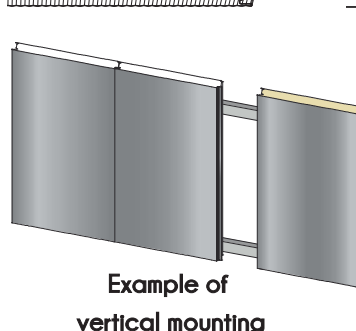
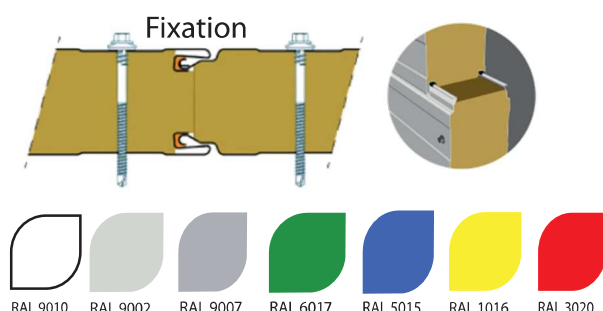
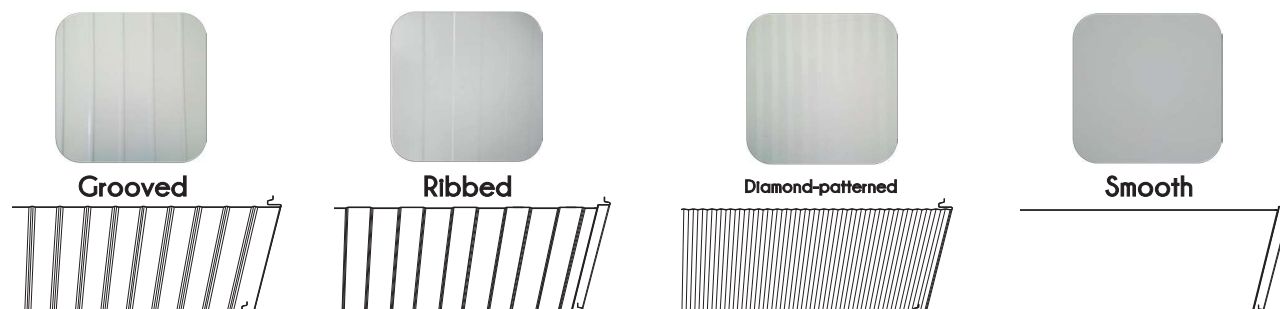
Cold Panel (F)

The cold sandwich panel is a self-supporting panel specifically designed for creating movable partitions, prefabricated garages, cold rooms, exhibition stands, sliding gates, and false ceilings. It is an ideal component for projects requiring a lightweight, strong, and insulating product that prevents air passage and thermal bridging. It is the perfect product for false ceilings and insulating wall cladding. With its "slatted," "grooved," "smooth," and "diamond" versions, it contributes to the design of a new architecture that is clear, simple, and uniform.



Useful width	1 meter
Minimum length	2 meters
Maximum length	17 meters
Insulating core	Rigid CFC-free polyurethane foam (PUR) Polyisocyanurate foam (PIR)
Density	40 (+/- 3) Kg/m³
Panel thickness	80/100/120/150/180/200 mm
Fire rating	B.S3.d0 / B S2 d0
Type of metal	Pre-painted galvanized sheet
Standard thickness of external metal	0.40/ 0.50 mm
Thermal conductivity	0,022W / m. °C
Applicable standards	EN 12667/NT 79.68 ; EN 10169/NT26.161 EN 14509 ; EN 13501-1
Steel identification	Grade S250, S280, S320, DX51D

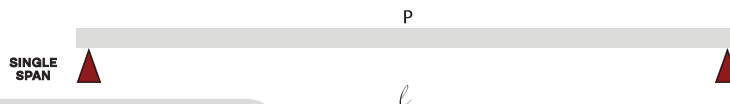
Available finishes (to specify when ordering)



Thermal properties

U transmittance	Panel thickness					
	80	100	120	150	180	200
W/m ² · K	0,28	0,22	0,19	0,15	0,12	0,11
Kcal/m ² · h · °C	0,24	0,19	0,16	0,13	0,11	0,10

Thermal properties (kg/m²)



EXTERNAL face :
Steel 0,4 mm
INTERNAL face :
Steel 0,4 mm

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
80	460	305	245	190	140	105	85	65			8,98
100	515	385	305	240	175	135	105	85			9,76
120	620	465	370	290	215	165	130	105			10,54
150	775	580	465	365	270	205	160	130			11,71
180	935	700	560	440	325	245	195	155			12,88
200	1000	780	625	490	360	275	215	175			13,66

Effective width
support : 120 mm

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509. Normal deflection limit : 1/200

Thermal properties (kg/m²)



EXTERNAL face :
Steel 0,4 mm
INTERNAL face :
Steel 0,4 mm

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
80	395	270	210	165	120	95	75	65	50		8,98
100	495	340	265	195	145	115	95	75	65	55	9,76
120	600	415	310	225	170	135	110	90	75	65	10,54
150	735	515	365	270	205	160	130	110	90	80	11,71
180	770	560	415	310	240	190	155	125	105	90	12,88
200	1000	590	450	335	260	205	170	140	115	100	13,66

Effective width
support : 120 mm

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509. Normal deflection limit : 1/200

Thermal properties (kg/m²)



EXTERNAL face :
Steel 0,4 mm
INTERNAL face :
Steel 0,4 mm

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
80	395	265	210	170	135	105	85	70	60	50	8,98
100	495	335	265	205	160	125	105	85	75	65	9,76
120	600	410	310	235	180	145	120	100	85	75	10,54
150	735	505	360	275	215	170	140	120	100	90	11,71
180	770	570	410	310	245	200	165	140	120	100	12,88
200	1000	605	445	335	265	215	180	150	130	110	13,66

Effective width
support : 120 mm

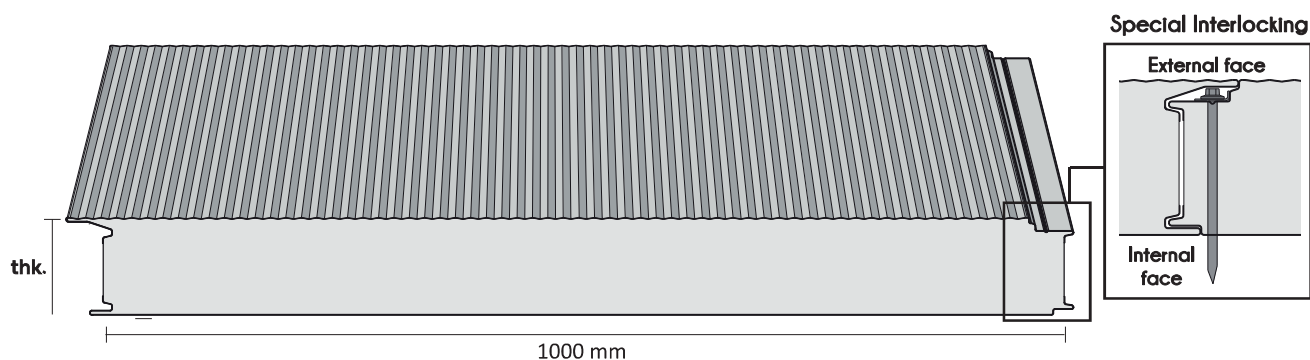
Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509. Normal deflection limit : 1/200

Cold Panel with Hidden Screws (FVC)

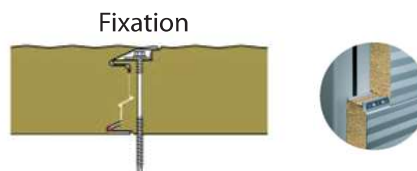
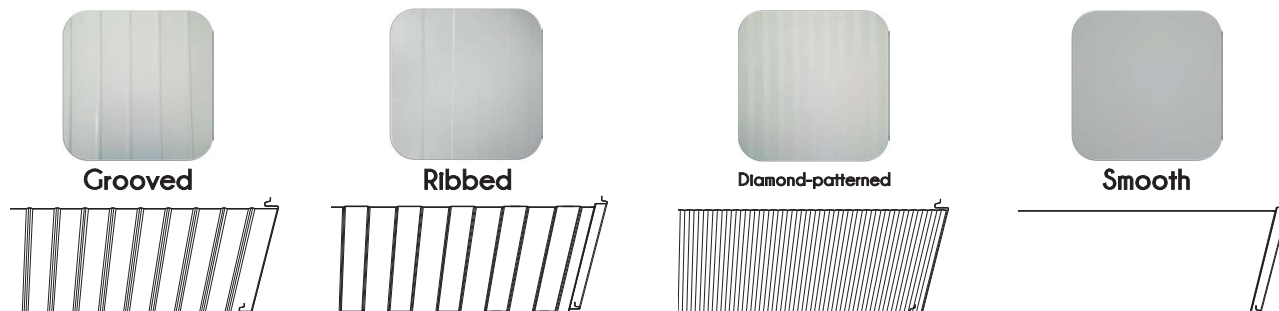
The cold sandwich panel is a self-supporting panel specifically designed for creating movable partitions, prefabricated garages, cold rooms, exhibition stands, sliding gates, and false ceilings. It is an ideal component for projects requiring a lightweight, strong, and insulating product that prevents air passage and thermal bridging. It is the perfect product for false ceilings and insulating wall cladding. With its "slatted," "grooved," "smooth," and "diamond" versions, it contributes to the design of a new architecture that is clear, simple, and uniform.

This is an innovative aesthetic panel with hidden fixation.

Useful width	1 meter
Minimum length	2 meters
Maximum length	17meters
Insulating core	Rigid CFC-free polyurethane foam (PUR) Polyisocyanurate foam (PIR)
Density	40 (+/- 3) Kg/m ³
Panel thickness	80/100/120/150/180/200 mm
Fire rating	B.S3.d0 / B S2 d0
Type of metal	Pre-painted galvanized sheet
Standard thickness of external metal	0.40/ 0.50 mm
Thermal conductivity	0,022W / m. °C
Applicable standards	EN 12667/NT 79.68 ; EN 10169/NT26.161 EN 14509 ; EN 13501-1
Steel identification	Grade S250, S280, S320, DX51D



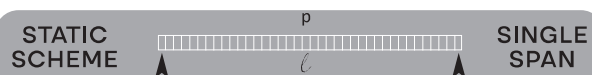
Available finishes (to specify when ordering)



Thermal properties

U conductivity W/m ² K Kcal/m ² h °C	Panel thickness(mm)					
	80	100	120	150	180	200
	0,285	0,229	0,191	0,153	0,128	0,110
	0,246	0,197	0,164	0,132	0,111	0,100

Static properties (kg/m²)



External face : steel 0,4mm. Internal face : steel 0,4mm.

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
80	460	305	245	190	140	105	85	65			9,12
100	515	385	305	240	175	135	105	85			9,90
120	620	465	370	290	215	165	130	105			10,68
150	775	580	465	365	270	205	160	130			11,85
180	935	700	560	440	325	245	195	155			13,02
200	1000	780	625	490	360	275	215	175			14,00

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509.
Normal deflection limit : 1/200

Static properties (kg/m²)

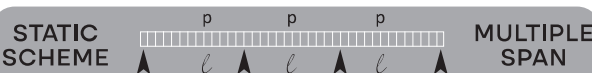


External face : steel 0,4mm. Internal face : steel 0,4mm.

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
80	395	270	210	165	120	95	75	65	50		9,12
100	495	340	265	195	145	115	95	75	65	55	9,90
120	600	415	310	225	170	135	110	90	75	65	10,68
150	735	515	365	270	205	160	130	110	90	80	11,85
180	770	560	415	310	240	190	155	125	105	90	13,02
200	1000	590	450	335	260	205	170	140	115	100	14,00

Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509.
Normal deflection limit : 1/200

Static properties (kg/m²)



External face : steel 0,4mm. Internal face : steel 0,4mm.

SHEET THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
80	395	265	210	170	135	105	85	70	60	50	9,12
100	495	335	265	205	160	125	105	85	75	65	9,90
120	600	410	310	235	180	145	120	100	85	75	10,68
150	735	505	360	275	215	170	140	120	100	90	11,85
180	770	570	410	310	245	200	165	140	120	100	13,02
200	1000	605	445	335	265	215	180	150	130	110	14,00

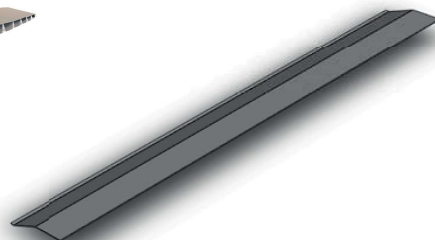
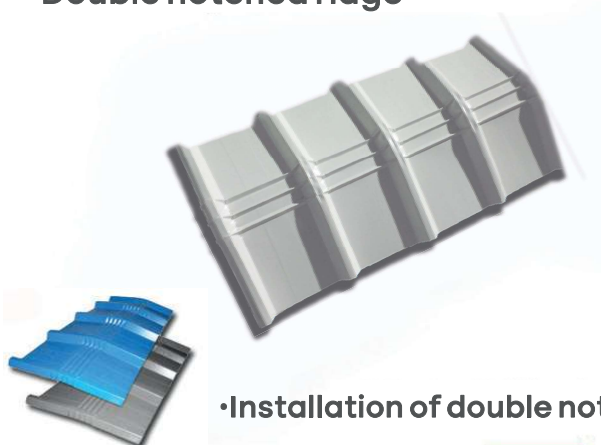
Static sizing calculation performed according to the requirements of Annex E of standard UNI EN 14509.
Normal deflection limit : 1/200

Ridge

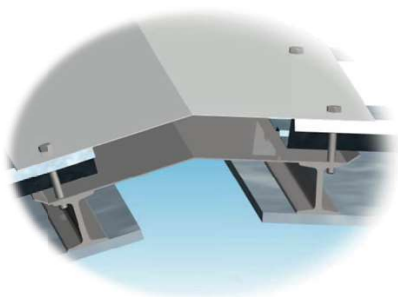
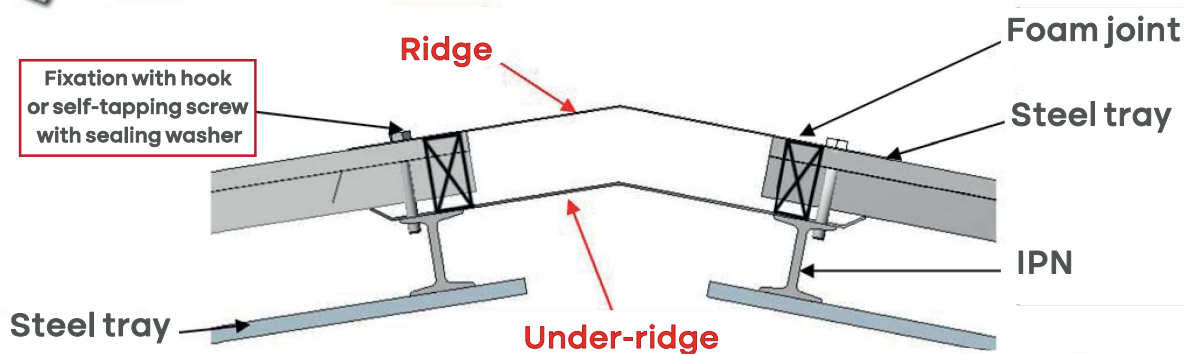


•Double notched ridge

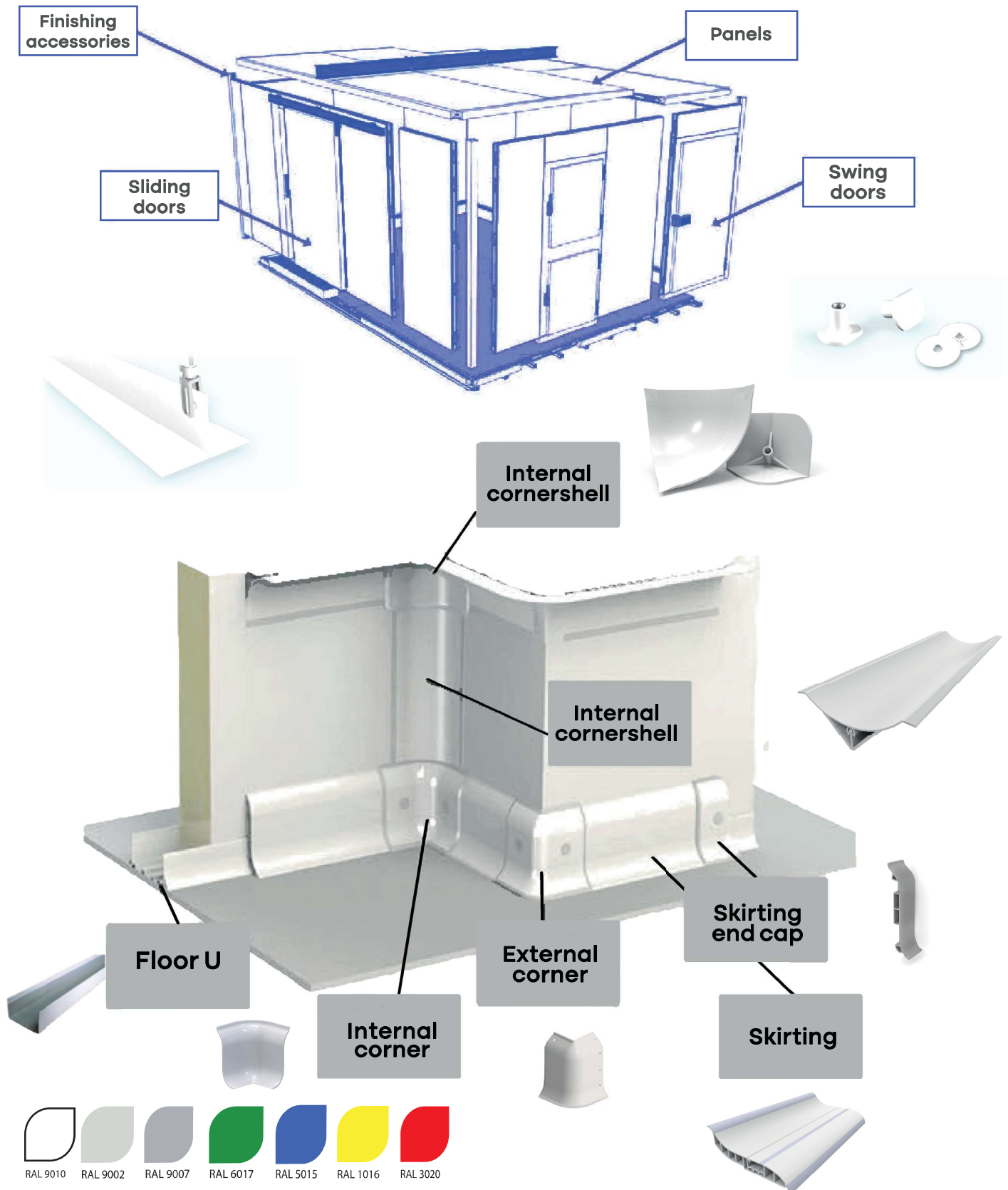
•Double under-ridge



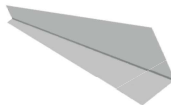
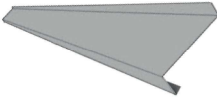
•Installation of double notched ridge with double under-ridge

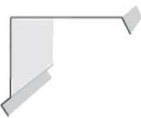
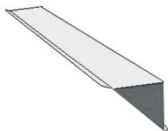


Cold room accessories



Our panel fixation accessories for roofing and cladding

Items	Designation	Steel	Thickness
	Apron	Pre-painted steel	0,5/0,6/0,7 MM
	Under-ridge	Pre-painted steel	0,5/0,6/0,7 MM
	Capping	Pre-painted steel	0,5/0,6/0,7 MM
	Double notched ridge	Pre-painted steel	0,5/0,6/0,7 MM
	Gutter	Galvanized steel	1,5/2/2,5 MM
	U-profile	Pre-painted steel	0,5/0,6/0,7 MM
	Edge strip	Pre-painted steel	0,5/0,6/0,7 MM
	Ridge PM	Pre-painted steel	0,5/0,6/0,7 MM
	Cladding support profile	Pre-painted steel	0,5/0,6/0,7 MM
	Window sill finish	Pre-painted steel	0,5/0,6/0,7 MM

Items	Designation	Steel	Thickness
	Edge on wall	Pre-painted steel	0,5/0,6/0,7 MM
	Steel tray closers	Pre-painted steel	0,5/0,6/0,7 MM
	Crown at parapet	Pre-painted steel	0,5/0,6/0,7 MM
	Folding	Pre-painted steel	0,5/0,6/0,7 MM
	Half ridge with roll	Galvanized steel	0,5/0,6/0,7 MM
	Recessed angle	Pre-painted steel	0,5/0,6/0,7 MM



Stainless steel
washer with seal



Saddle



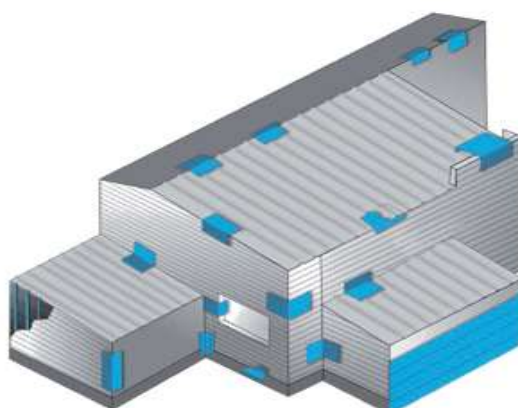
Self-tapping
screws



Flush rivet



Self-tapping
screws
with washer
and saddle



Industrial doors

Isothermal



Industrial doors Isothermal



Swing Door Semi-Isothermal with 1 or 2 Leaves. Thk: 40mm

Ref : Sevice Door

Product Description :

Pivoting, semi-isothermal door with 1 or 2 leaves, 40mm thick, insulated with injected polyurethane, density 38/40 kg/m³.

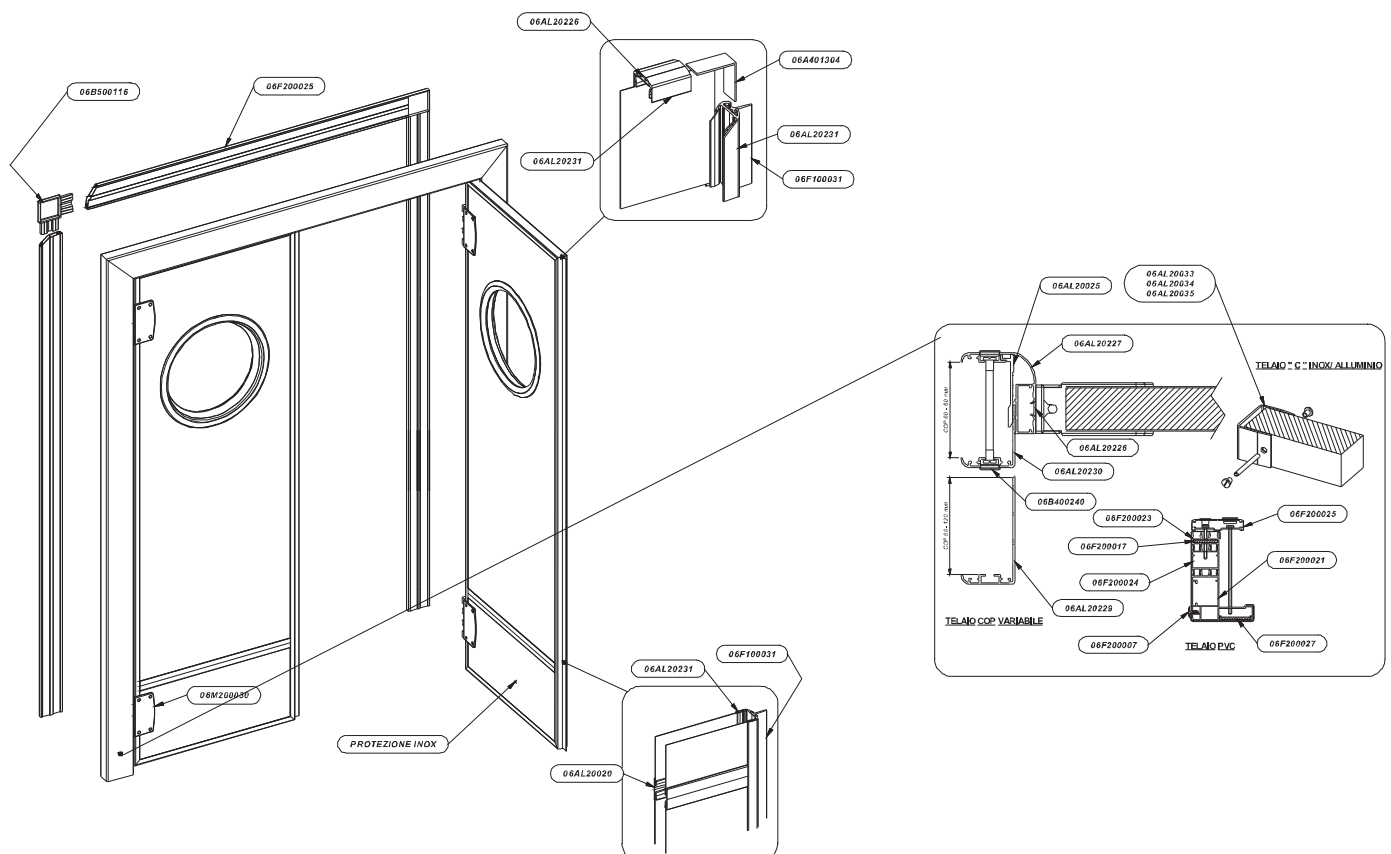
Standard coating in white plasticized sheet or, upon request, in stainless steel or stainless steel with polyester-faced leaves.

The frame is made of anodized aluminum, telescopic for mounting on panels. Optionally, the frame can be made of PVC equipped with a PVC "COP" counterframe for panel mounting.

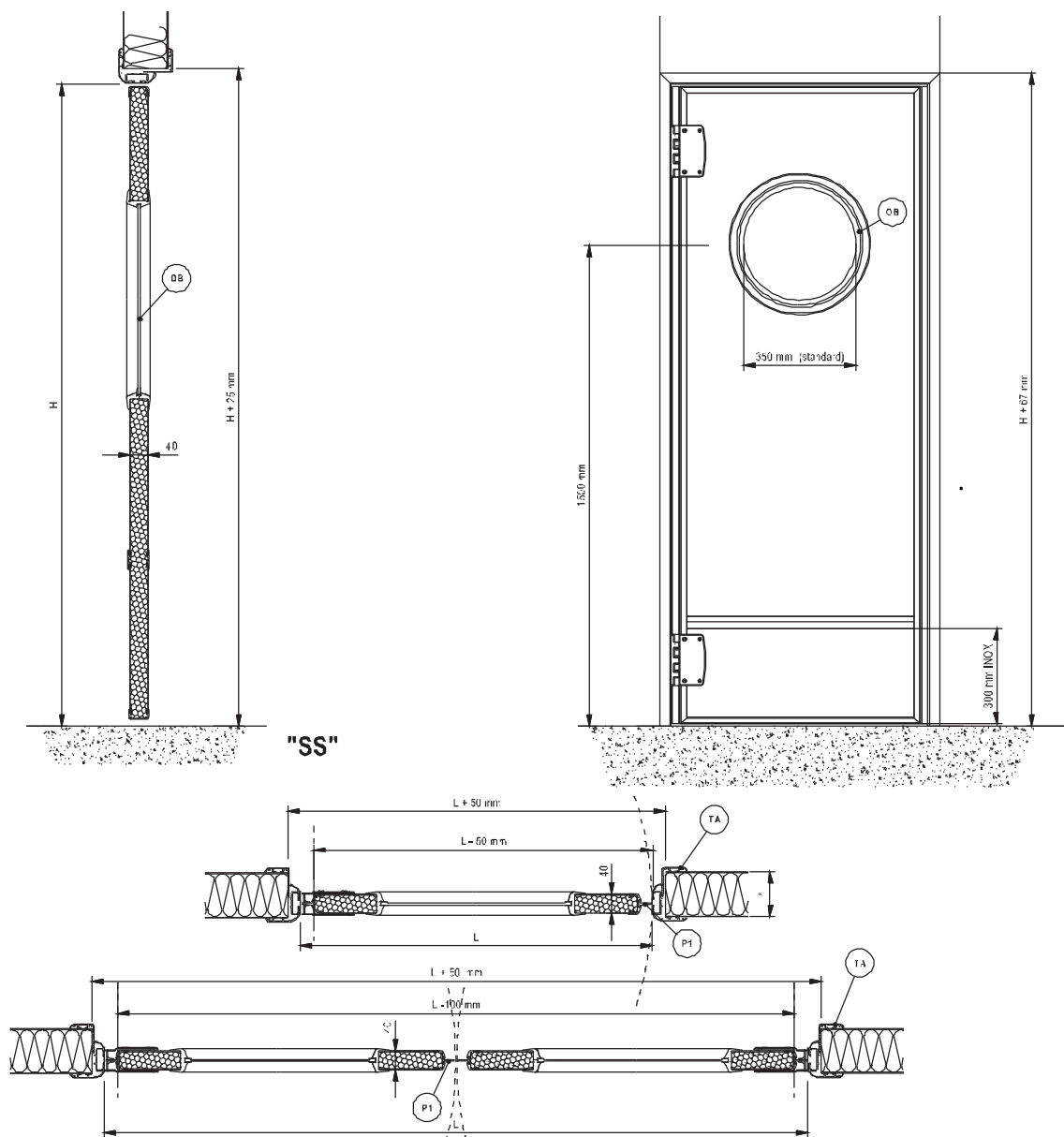
The leaf is equipped with vertical seals for hand safety, plastic hinges with a 180° stop, a double-sided stainless steel bottom protection of 300mm in height, and a 350mm diameter Lexan porthole.



Exploded View :



Assembly data :



	CARATTERISTICHE TECNICHE		TECHNICAL FEATURES		CARACTERISTIQUES TECHNIQUE
P1	Guarnizione di tenuta perimetrale	P1	Perimetral gasket	P1	Joint perimetral
P2	Guarnizione di tenuta inferiore	P2	Lover gasket	P2	Joint inferieur au sol
TA	Telaio regolabile 60/80 - 80/120	TA	Adjustable frame 60/80 - 80/120 mm	TA	Huisserie réglable 60/80 - 80/120 mm
SS	Senza soglia	SS	Without threshold	SS	Sans seuil
*	Parete prefabbricata di spessore variabile	*	Prefabricated panel	*	Paroi prefabriquée

Pivoting Semi-Isothermal Door with 1 or 2 Leaves. Thk: 40mm

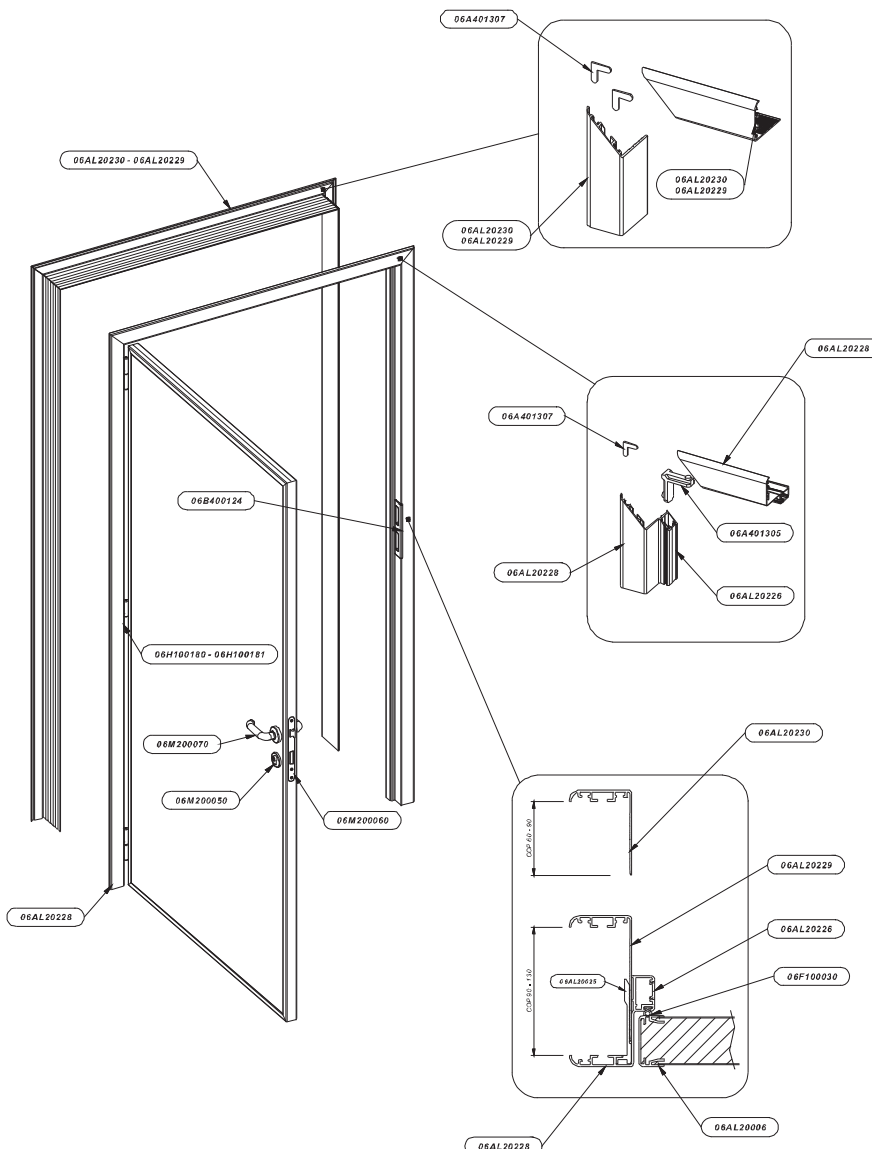
Ref : Sevice Door

Product Description :

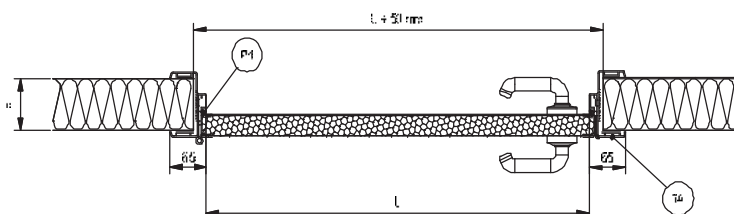
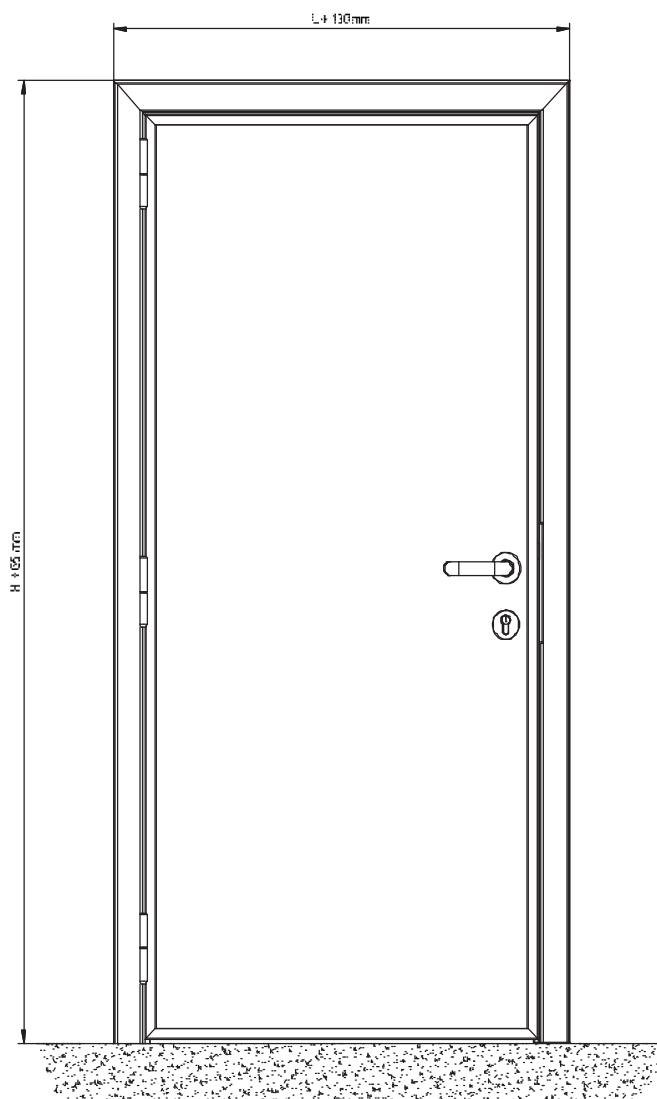
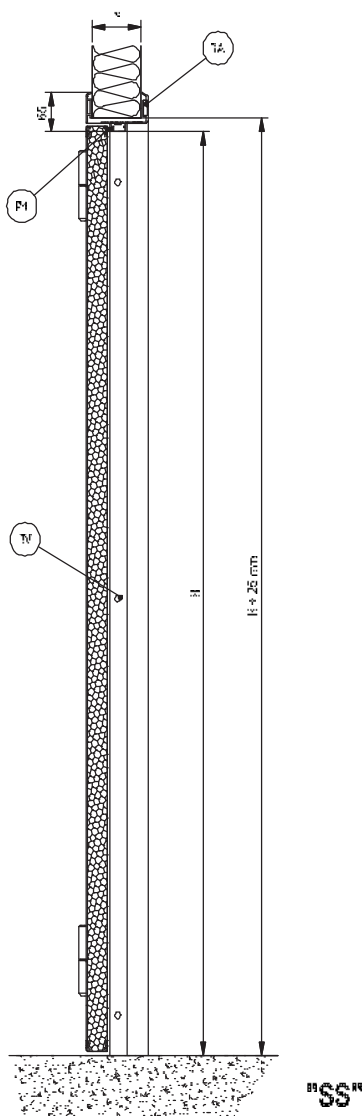
Pivoting semi-isothermal door with 1 or 2 leaves, 40mm thick, insulated with injected polyurethane, density 38/40kg/m³. Standard coating in white plasticized sheet. The frame is made of anodized aluminum, telescopic for panel mounting. Handle and hinges in black PVC.



Exploded View :



Assembly data :



	CARATTERISTICHE TECNICHE		TECHNICAL FEATURES		CARACTERISTIQUES TECHNIQUES
*	Parete prefabbricata di spessore variabile	*	Prefabricated panel	*	Paroi prefabriquée
P1	Guarnizione di tenuta perimetrale	P1	Perimetral gasket	P1	Joint perimetral
TA	Telaio regolabile 60/90 - 90/120	TA	Adjustable frame 60/90 - 90/120 mm	TA	Huisserie réglable 60/90 - 90/120 mm
TV	Tappi copertura viti fissaggio	TV	Cover-tap for installation frame	TV	Bouchon pour visserie d'installation
SS	Senza soglia	SS	Without threshold	SS	Sans seuil

Pivoting Door for Positive Temperature with Leaf. Thk: 70mm

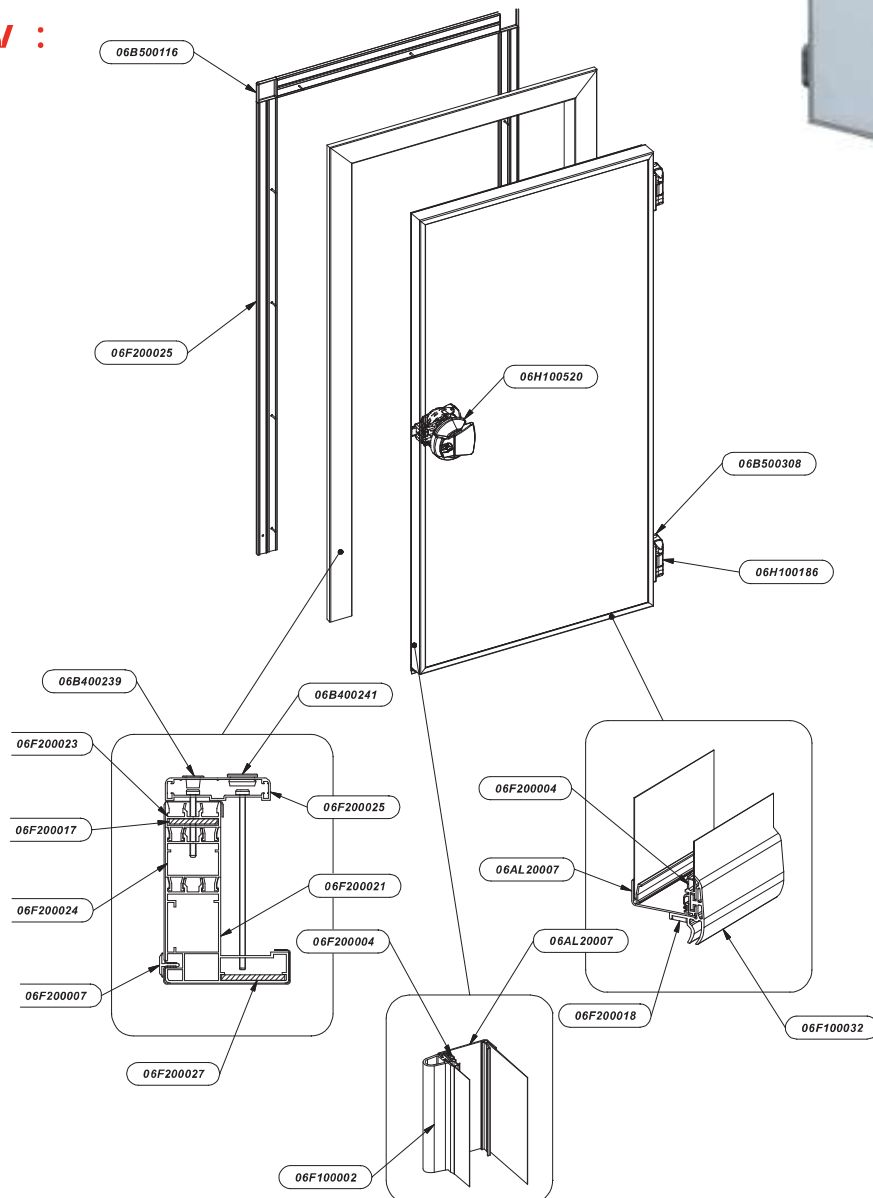
Ref : 200N

Product Description :

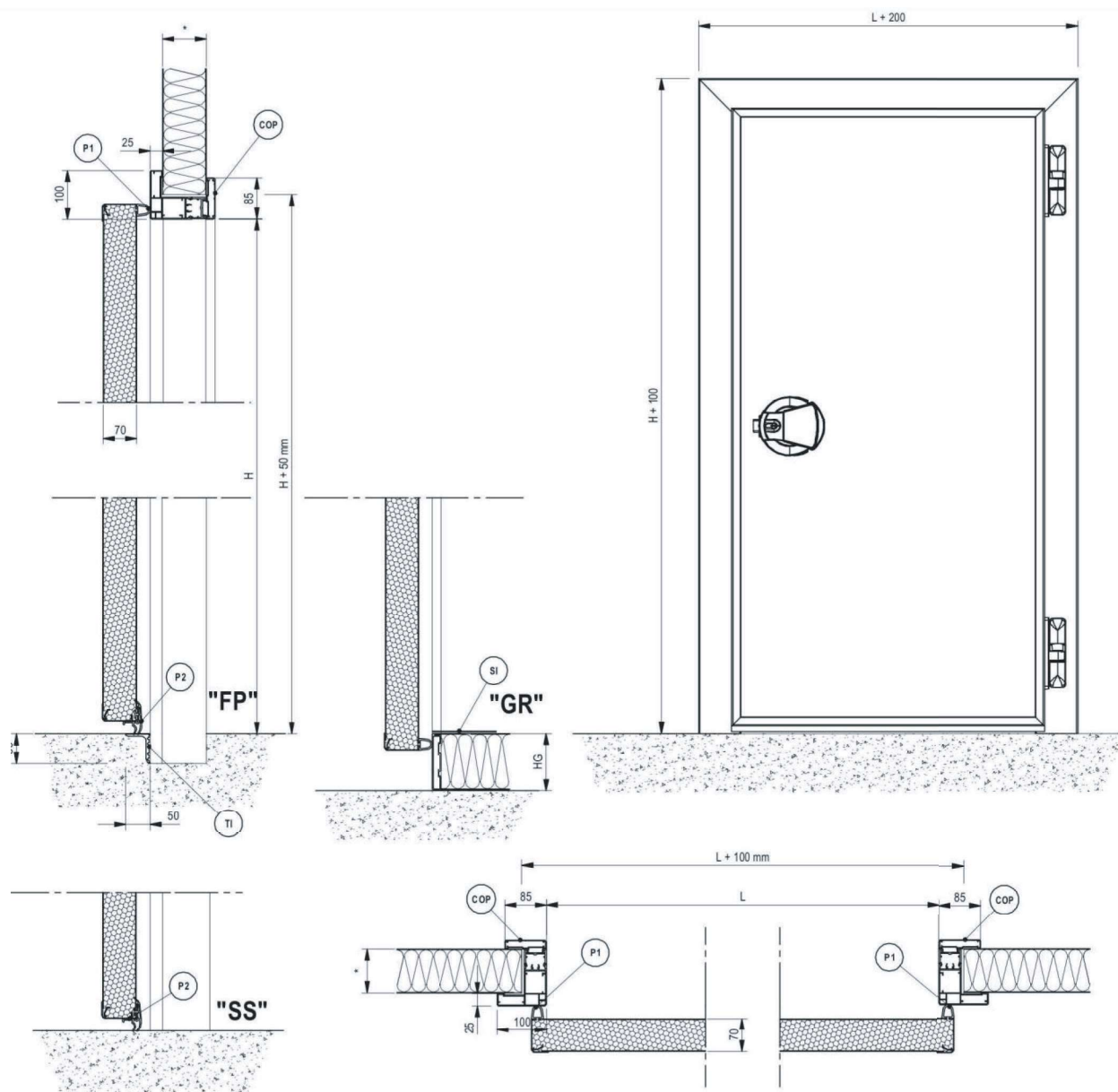
Pivoting door for positive temperature with rail passage, leaf thickness 70mm, insulated with injected polyurethane, density 38/40 kg/m³. Standard coating in white plasticized sheet or, upon request, with a coating in stainless steel or stainless steel with polyester faces. The flat PVC frame of the "200N" door is placed directly on the panel with nylon rods and can optionally be equipped with plasticized sheet profiles for covering the free passage. Handle with key.



Exploded View :



Assembly data :



	CARATTERISTICHE TECNICHE		TECHNICAL FEATURES		CARACTERISTIQUES TECHNIQUES
*	Parete prefabbricata di spessore variabile	*	Prefabricated panel	*	Paroi prefabriquée
P1	Guarnizione di tenuta perimetrale	P1	Perimetral gasket	P1	Joint perimetral
P2	Guarnizione di tenuta inferiore	P2	Lover gasket	P2	Joint inferieur au sol
TI	Soglia angolare in alluminio	TI	Threshold	TI	Seuil en aluminium
SI	Soglia in acciaio inox	SI	INOX stainless steel threshold	SI	Seuil en acier INOX
GR	Soglia a gradino	GR	Threshold with step	GR	Seuil à marche
FP	Soglia a filo pavimento	FP	Threshold for same level floor	FP	Seuil à fil sol
COP	Controporta per bloccaggio alla parete	COP	Counter-frame	COP	Contro-cadre

Pivoting Door for Negative Temperature with Leaf. Thk: 90mm

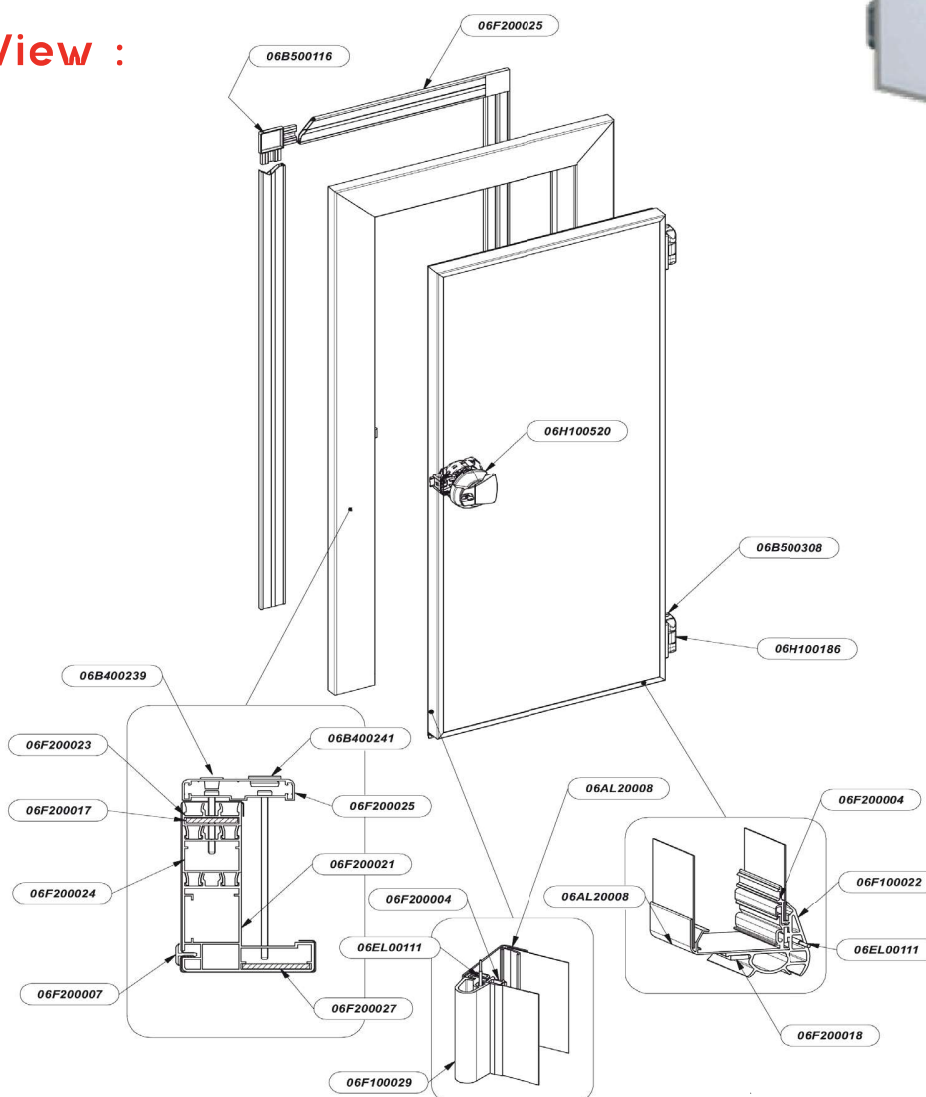
Ref : 250 BT

Product Description :

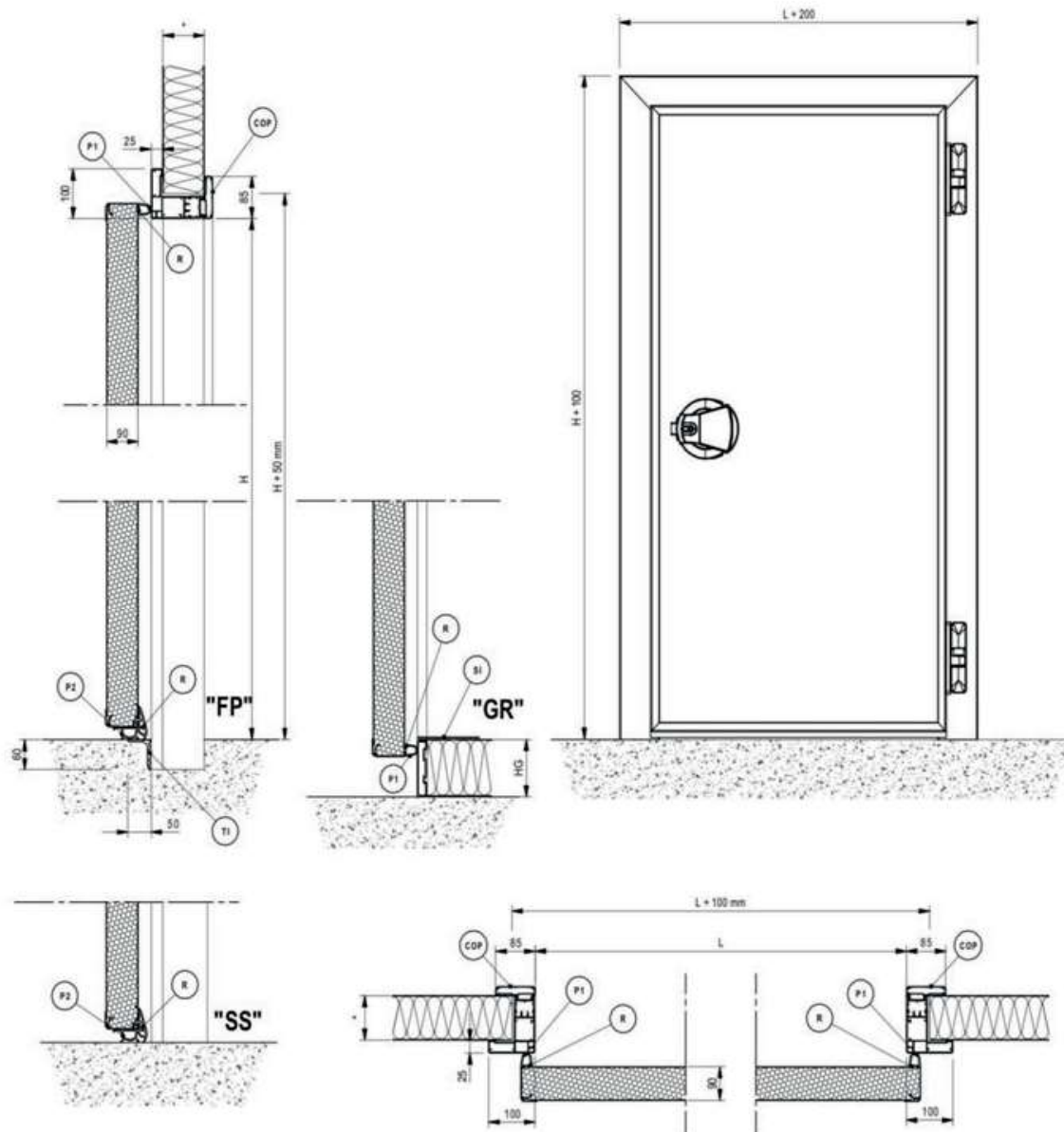
Pivoting door for negative temperature with leaf thickness of 90mm, insulated with injected polyurethane, density 38/40 kg/m³. Standard coating in white plasticized sheet or, upon request, with a coating in stainless steel or stainless steel with polyester faces. On the door frame, an aluminum profile with a cover (MIV patent) contains the heating cord. In the case of a leaf without a frame, for direct mounting on the panel, the heating cord is placed in the leaf frame below the seal. The PVC frame of the "250 BT" door can be equipped with a PVC "COP" counterframe for panel mounting. Thermal bridge interruptions are achieved with PVC profiles placed below the seal and on the side of the frame inside the chamber. Handle with key.



Exploded View :



Assembly data :



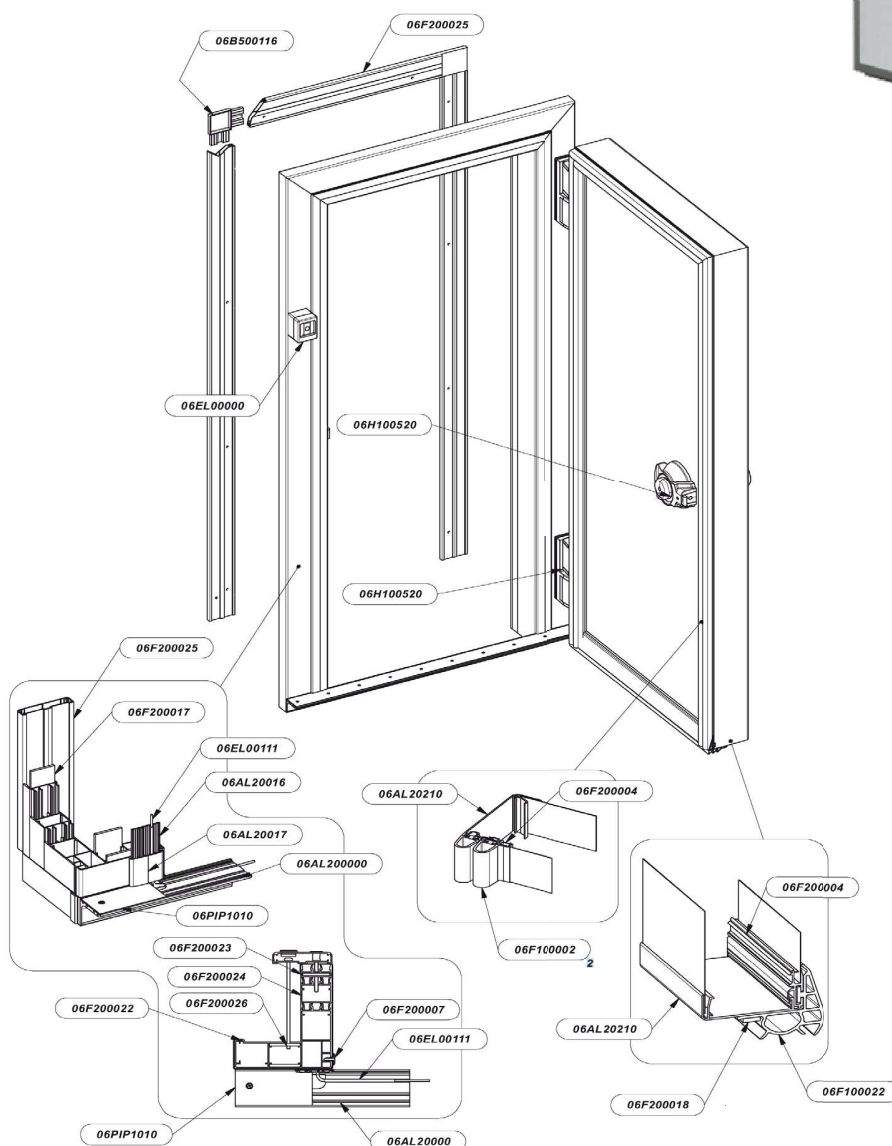
 CARATTERISTICHE TECNICHE	 TECHNICAL FEATURES	 CARACTERISTIQUES TECHNIQUES
★ Parete prefabbricata di spessore variabile	★ Prefabricated panel	★ Paroi prefabbriquée
P1 Guarnizione di tenuta perimetrale	P1 Perimetral gasket	P1 Joint perimetral
P2 Guarnizione di tenuta inferiore	P2 Lower gasket	P2 Joint inferieur au sol
TI Soglia angolare in alluminio	TI Threshold	TI Seuil en aluminium
SI Soglia in acciaio inox	SI INOX stainless steel threshold	SI Seuil en acier INOX
GR Soglia a gradino	GR Threshold with step	GR Seuil à marche
R Resistenza elettrica	R Heating cable	R Cable électrique chauffant
FP Soglia a filo pavimento	FP Threshold for same level floor	FP Seuil à fil sol
COP Controporta per bloccaggio alla parete	COP Counter-frame	COP Contro-cadre

Pivoting Door for Negative Temperature with Leaf. Thk: 120mm

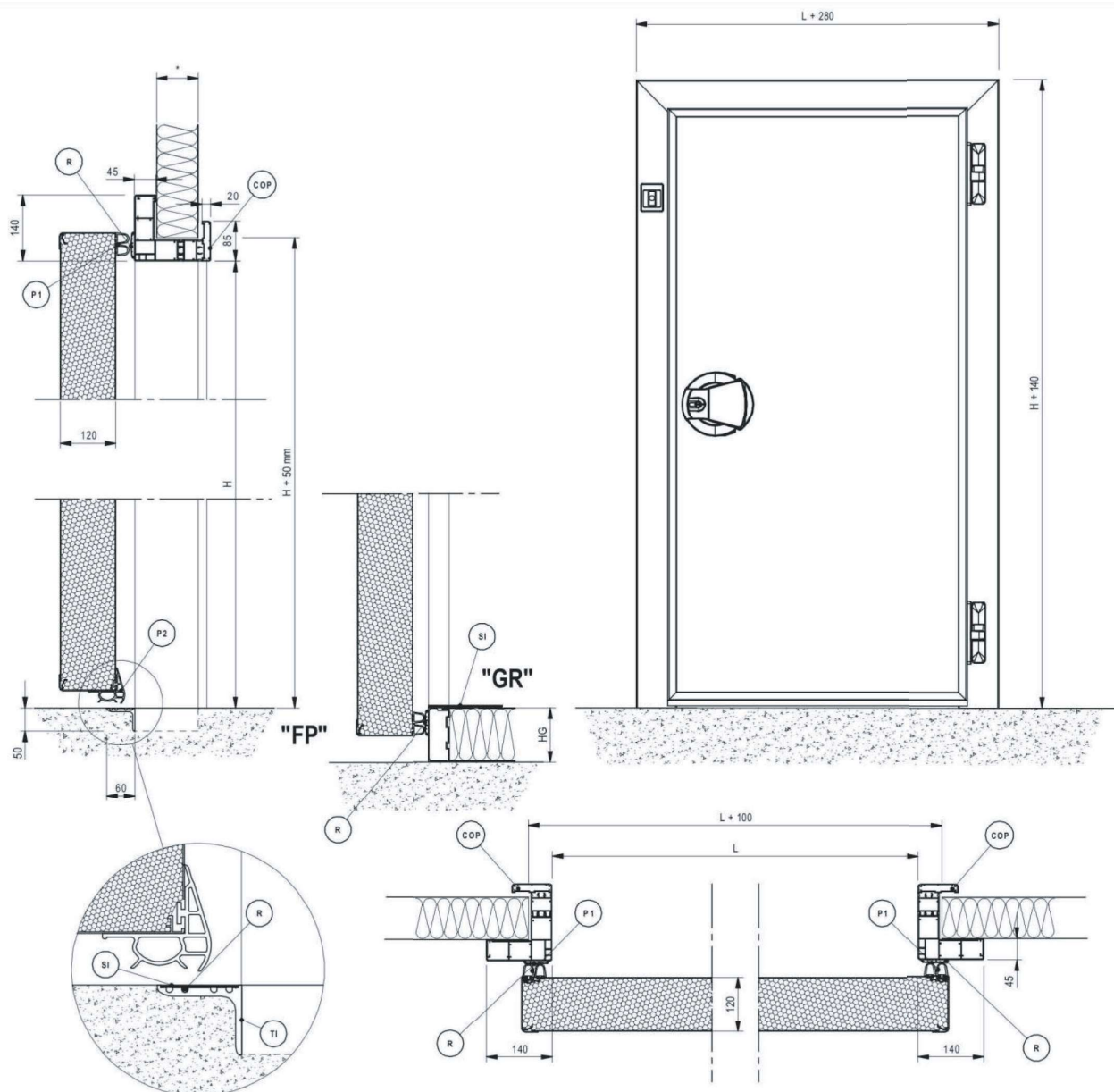
Ref :300 BT

Product Description :

Pivoting door for positive temperature with leaf thickness of 120mm, insulated with injected polyurethane, density 38/40 kg/m³. Standard coating in white plasticized sheet or, upon request, with a coating in stainless steel or stainless steel with polyester faces. The PVC frame of the "300 BT" door can be equipped with a PVC "COP" counterframe for panel mounting. On the door frame, an aluminum profile with a cover (MIV patent) contains the heating cord. In the case of a leaf without a frame, for direct mounting on the panel, the heating cord is placed in the leaf frame below the seal. Thermal bridge interruptions are achieved with PVC profiles placed below the seal and on the side of the frame inside the chamber. Handle with key.



Assembly data :



 CARATTERISTICHE TECNICHE	 TECHNICAL FEATURES	 CARACTERISTIQUES TECHNIQUES
* Parete prefabbricata di spessore variabile	* Prefabricated panel	* Paroi prefabriquée
P1 Guarnizione di tenuta perimetrale	P1 Perimetral gasket	P1 Joint perimetral
P2 Guarnizione di tenuta inferiore	P2 Lower gasket	P2 Joint inférieur au sol
TI Soglia angolare in alluminio	TI Threshold	TI Seuil en aluminium
SI Soglia in acciaio inox	SI INOX stainless steel threshold	SI Seuil en acier INOX
GR Soglia a gradino	GR Threshold with step	GR Seuil à marche
R Resistenza elettrica	R Heating cable	R Cable électrique chauffant
FP Soglia a filo pavimento	FP Threshold for same level floor	FP Seuil à fil sol
COP Controporta per bloccaggio alla parete	COP Counter-frame	COP Contro-cadre

Sliding Door for Positive Temperature with Leaf. Thk: 70mm

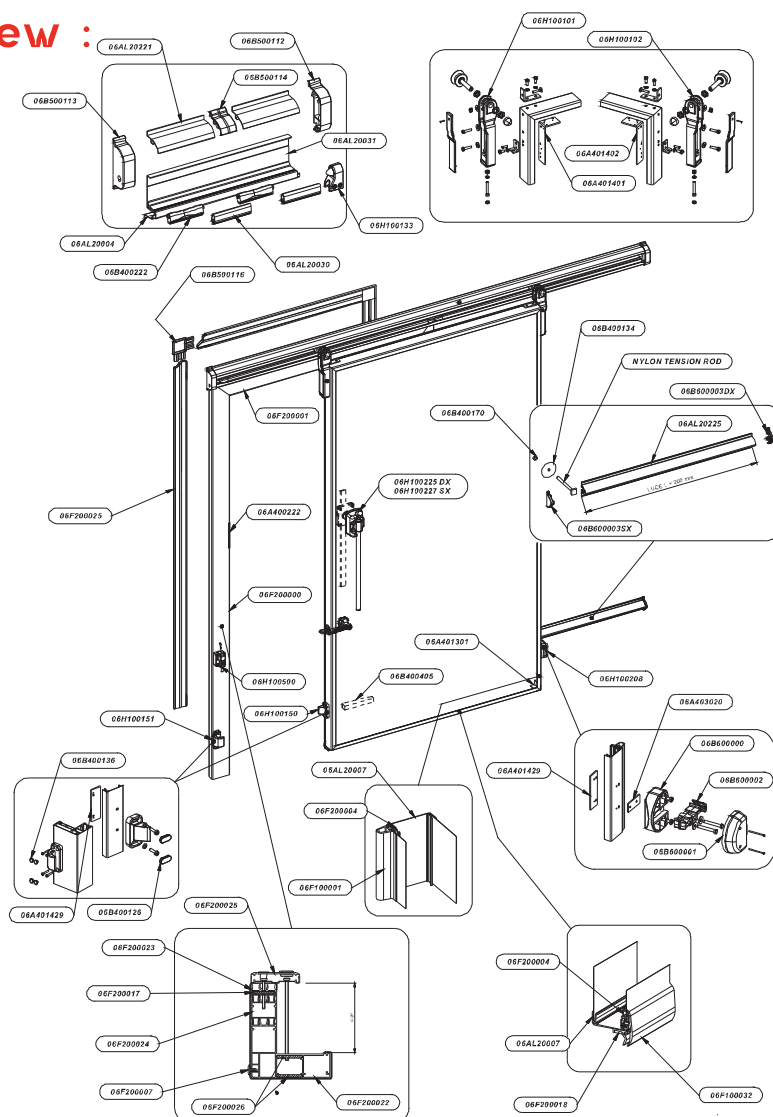
Ref :900 BT

Product Description :

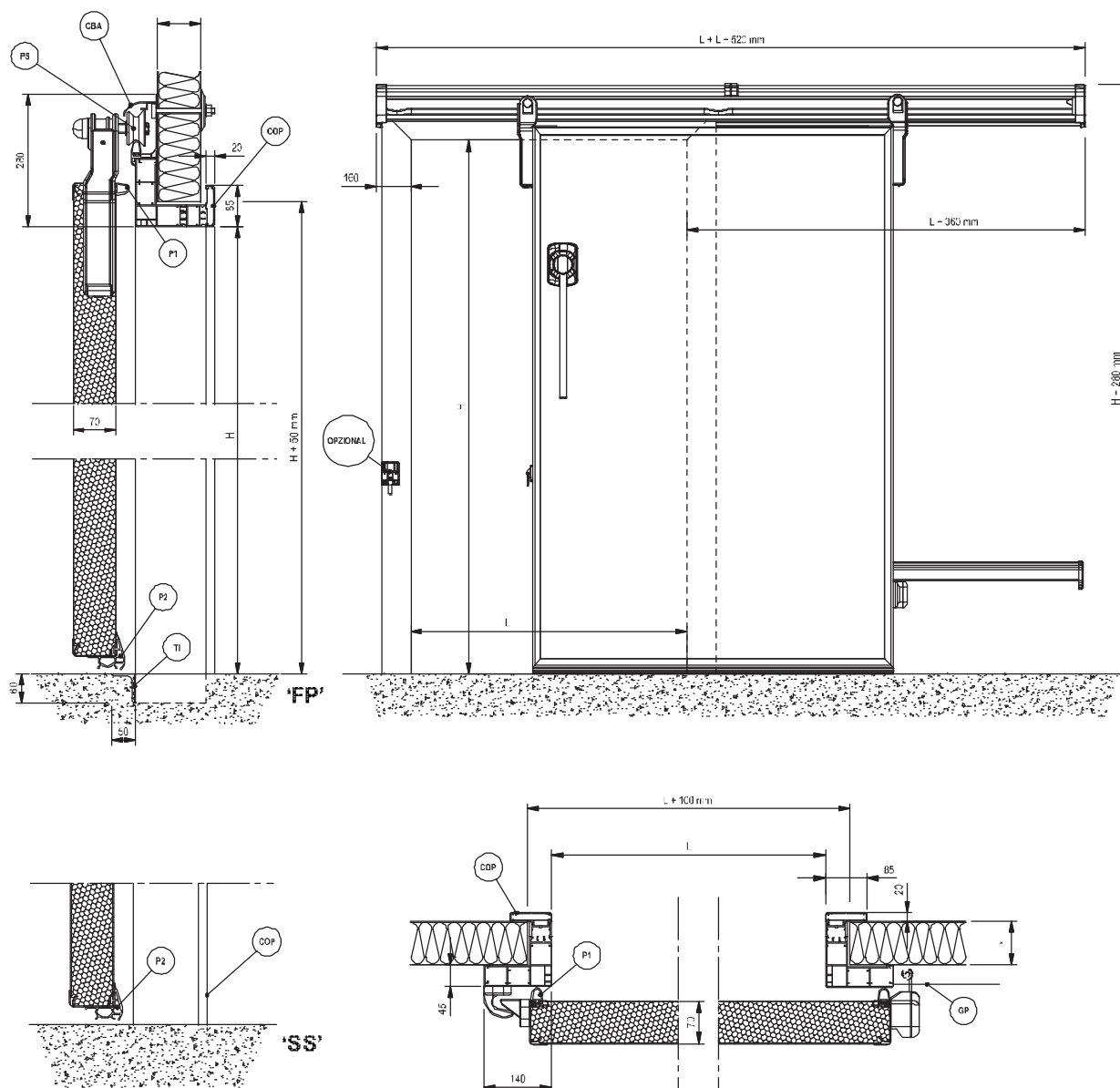
Sliding door for positive temperature with leaf thickness of 70mm, insulated with injected polyurethane, density 38/40 kg/m³. Standard coating in white plasticized sheet or, upon request, with a coating in stainless steel or stainless steel with polyester faces. The PVC frame of the "900P" door can be equipped with a PVC "COP" counterframe for panel mounting. Thermal bridge interruptions are achieved with PVC profiles placed below the seal and on the side of the frame inside the chamber. Inside/outside pass-through handle. Upper and rear guiding rails in anodized aluminum.



Exploded View :



Assembly data :



 CARATTERISTICHE TECNICHE	 TECHNICAL FEATURES	 CARACTERISTIQUES TECHNIQUES
★ Parete prefabbricata di spessore variabile	★ Prefabricated panel	★ Paroi prefabriquée
P1 Guarnizione di tenuta perimetrale	P1 Perimetral gasket	P1 Joint perimetral
P2 Guarnizione di tenuta inferiore	P2 Lower gasket	P2 Joint inférieur au sol
TI Soglia angolare in alluminio	TI Threshold	TI Seuil en aluminium
GP Guida posteriore in alluminio	GP Rear runner in aluminium profile	GP Guide postérieur en aluminium anodisé
PS Ruota di scorrimento	PS Sliding wheels	PS Pulies de roulement
CBA Copribinario in alluminio	CBA Aluminium track cover	CBA Chape-rail en aluminium anodisé
COP Controporta per bloccaggio alla parete	COP Counter-frame	COP Contro-cadre

Sliding Door for Negative Temperature with Leaf. Thk: 90mm

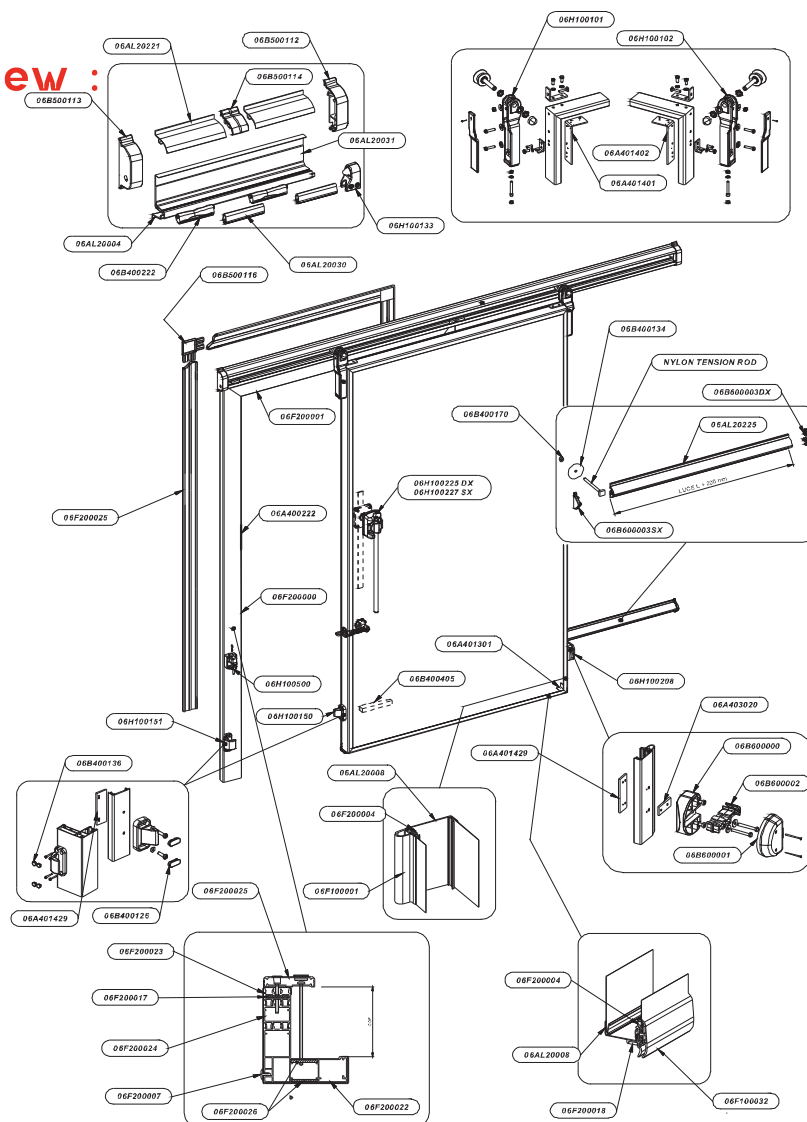
Ref : 900 BT

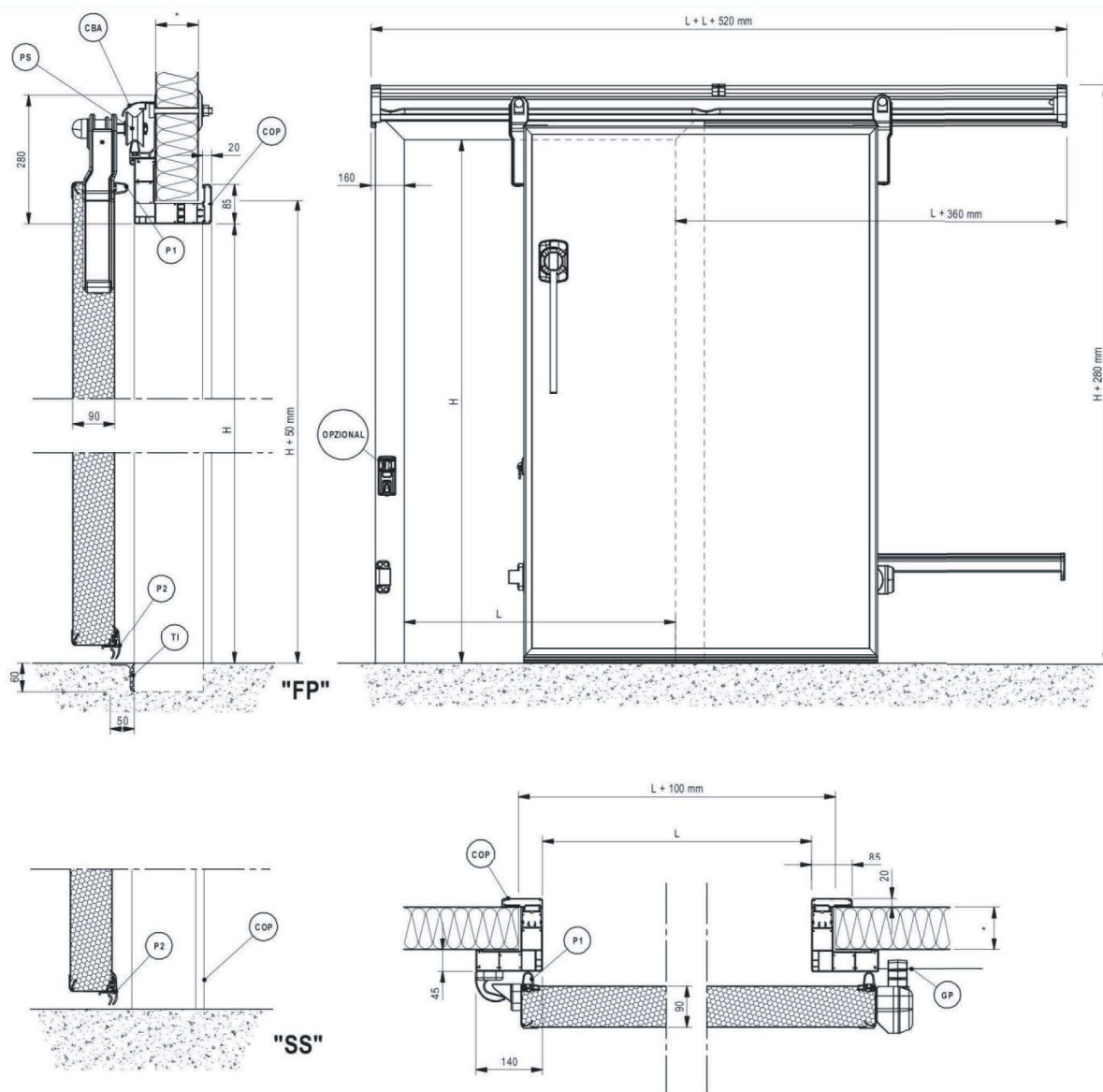
Product Description :

Sliding door for negative temperature with leaf thickness of 90mm, insulated with injected polyurethane, density 38/40 kg/m³. Standard coating in white plasticized sheet or, upon request, with a coating in stainless steel or stainless steel with polyester faces. The PVC frame of the "900M" door can be equipped with a PVC "COP" counterframe for panel mounting. Thermal bridge interruptions are achieved with PVC profiles placed below the seal and on the side of the frame inside the chamber. Inside/outside pass-through handle. Upper and rear guiding rails in anodized aluminum.



Exploded View :





	CARATTERISTICHE TECNICHE		TECHNICAL FEATURES		CARACTERISTIQUES TECHNIQUES
*	Parete prefabbricata di spessore variabile	*	Prefabricated panel	*	Paroi prefabriquée
P1	Guarnizione di tenuta perimetrale	P1	Perimetral gasket	P1	Joint perimetral
P2	Guarnizione di tenuta inferiore	P2	Lower gasket	P2	Joint inférieur au sol
TI	Soglia angolare in alluminio	TI	Threshold	TI	Seuil en aluminium
GP	Guida posteriore in alluminio	GP	Rear runner in aluminium profile	GP	Guide postérieur en aluminium anodisé
PS	Ruota di scorrimento	PS	Sliding wheels	PS	Pulies de roulement
CBA	Copribinario in alluminio	CBA	Aluminium track cover	CBA	Chace-rail en aluminium anodisé
COP	Controporta per bloccaggio alla parete	COP	Counter-frame	COP	Contro-cadre

Sliding Door for Negative Temperature with Leaf. Thk: 120mm

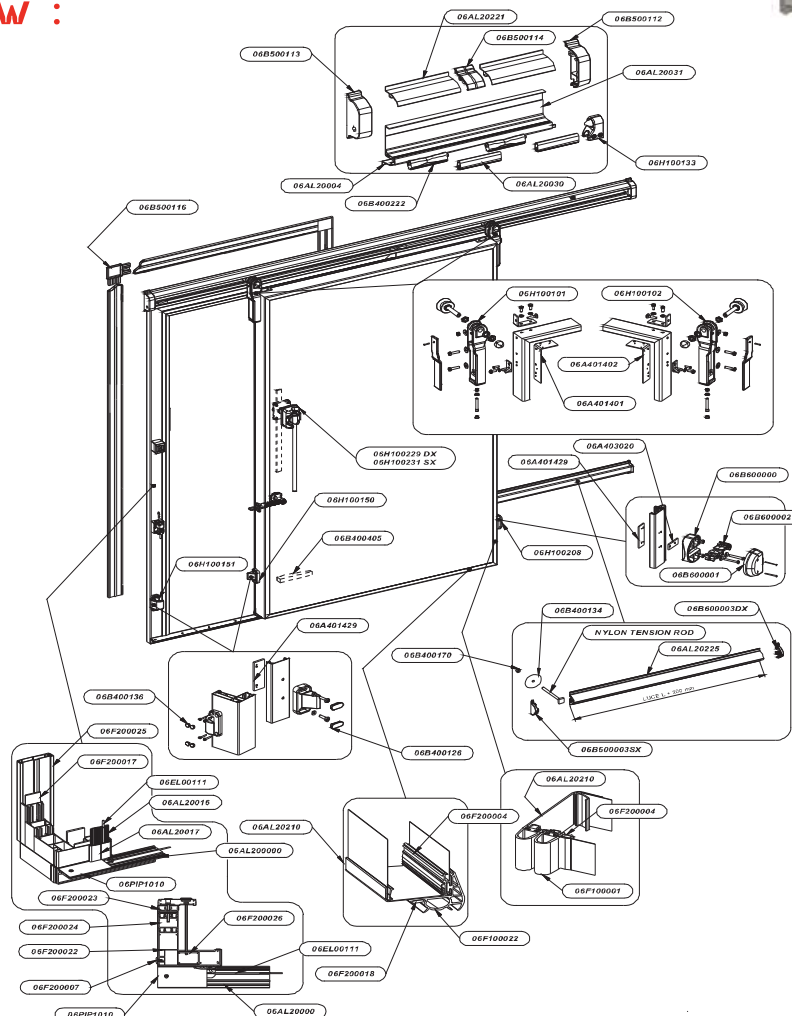
Ref : 900 BT

Product Description :

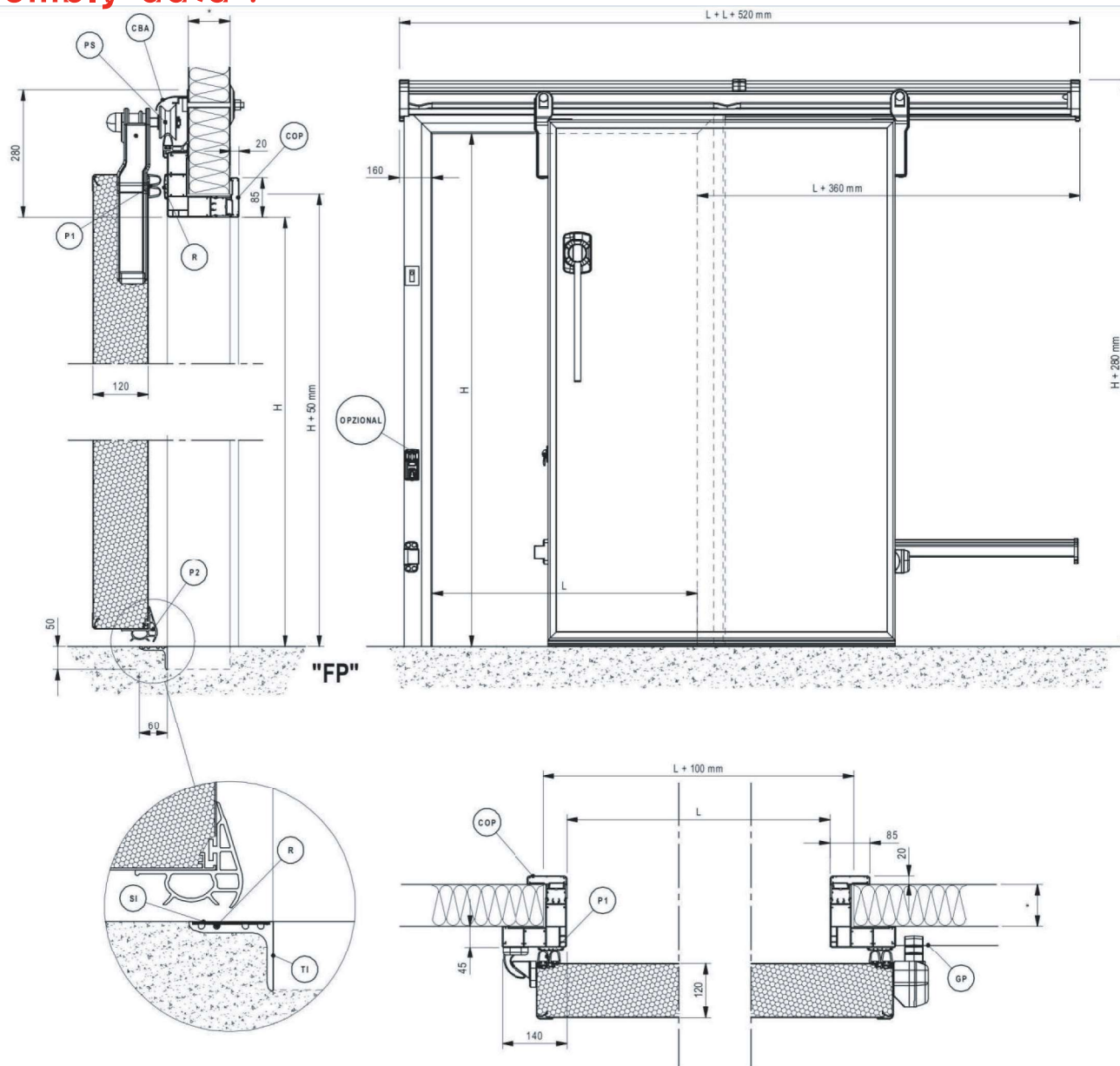
Sliding door for negative temperature with leaf thickness of 120mm, insulated with injected polyurethane, density 38/40 kg/m³. Standard coating in white plasticized sheet or, upon request, with a coating in stainless steel or stainless steel with polyester faces. The PVC frame of the "900 BT" door can be equipped with a PVC "COP" counterframe for panel mounting. On the door frame, an aluminum profile with a cover (MIV patent) contains the heating cord. In the case of a leaf without a frame, for direct mounting on the panel, the heating cord is placed in the leaf frame below the seal. Thermal bridge interruptions are achieved with PVC profiles placed below the seal and on the side of the frame inside the chamber. Inside/outside pass-through handle. Upper and rear guiding rails in anodized aluminum.



Exploded View :



Assembly data :



	CARATTERISTICHE TECNICHE		TECHNICAL FEATURES		CARACTERISTIQUES TECHNIQUES
*	Parete prefabbricata di spessore variabile	*	Prefabricated panel	*	Paroi prefabbriquée
P1	Guarnizione di tenuta perimetrale	P1	Perimetral gasket	P1	Joint perimetral
P2	Guarnizione di tenuta inferiore	P2	Lower gasket	P2	Joint inferieur au sol
TI	Soglia angolare in alluminio	TI	Threshold	TI	Seuil en aluminium
GP	Guida posteriore in alluminio	GP	Rear runner in aluminium profile	SI	Seuil en acier INOX
PS	Ruota di scorrimento	PS	Sliding wheels	PS	Pulies de roulement
R	Resistenza elettrica	R	Heating cable	R	Cable électrique chauffant
CBA	Copribinario in alluminio	CBA	Aluminium trak cover	CBA	Chace-rail en aluminium anodisé
COP	Controporta per bloccaggio alla parete	COP	Counter-frame	COP	Contro-cadre

Negative Modular Cold Room Technical Characteristics:

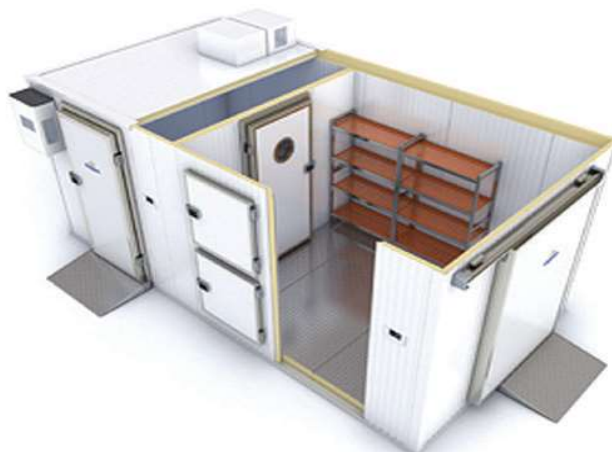
A range of modular cold rooms for positive or negative temperatures starting from 2 m³.
(Other sizes available upon request.)

These cold rooms are delivered in kit form and are easy to install.

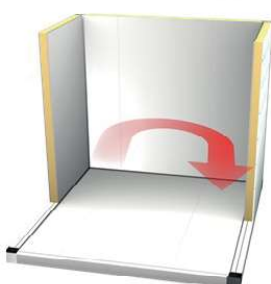
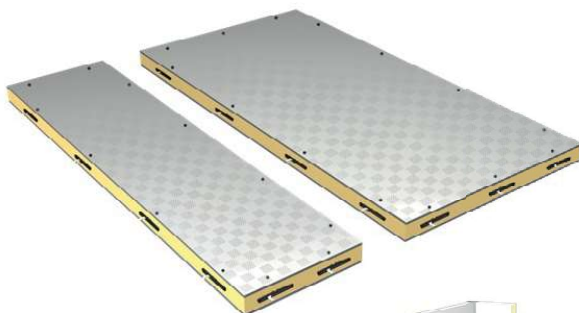
- Easy-to-assemble and disassemble modular panels
- Modular white steel sheet panels
- CFC-free polyurethane insulation, 80mm thick for temperatures from -5°C to +5°C, or 120mm thick for temperatures from -18°C to -25°C
- Refrigeration unit "on horseback" or mounted on panels
- Non-slip floor available as an option
- Anti-condensation resistance on the door for negative rooms.

Positive Modular Cold Room 80mm Thick / Negative Modular Cold Room 120mm Thick

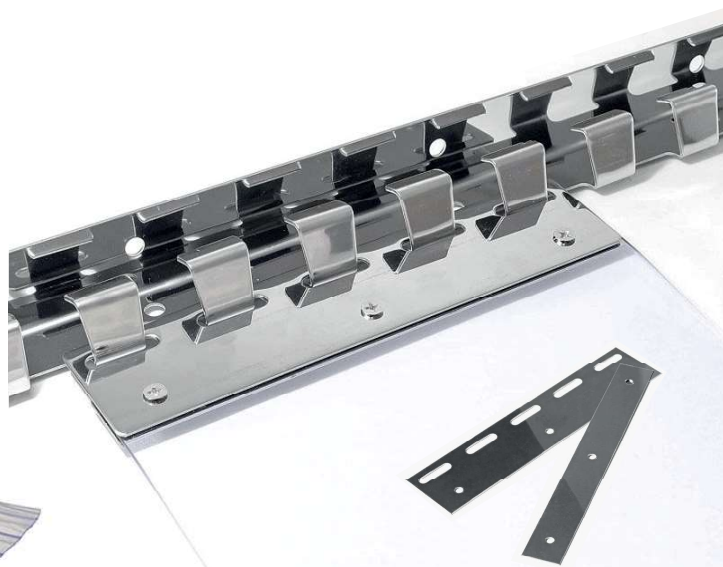
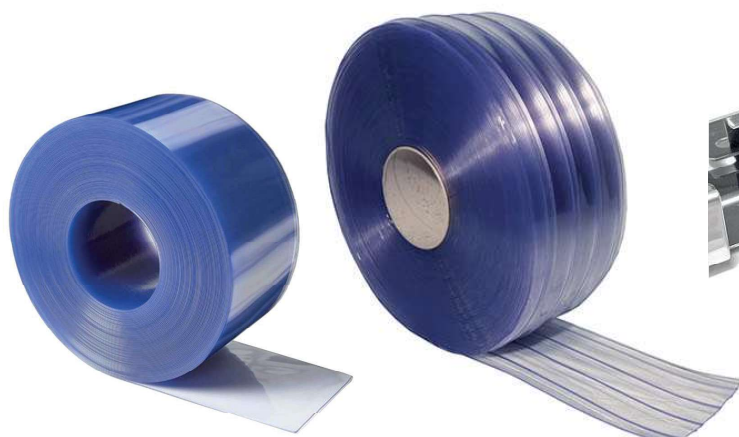
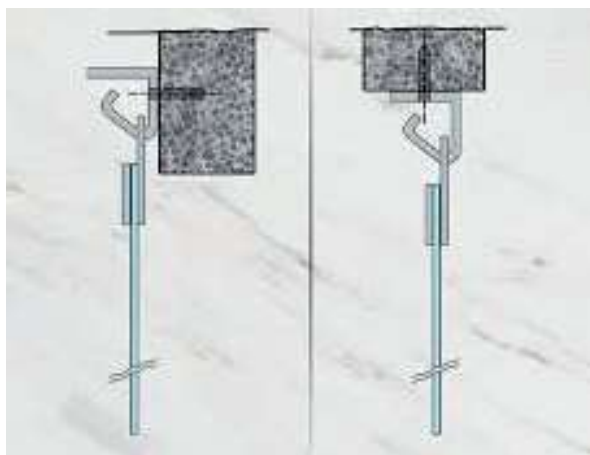
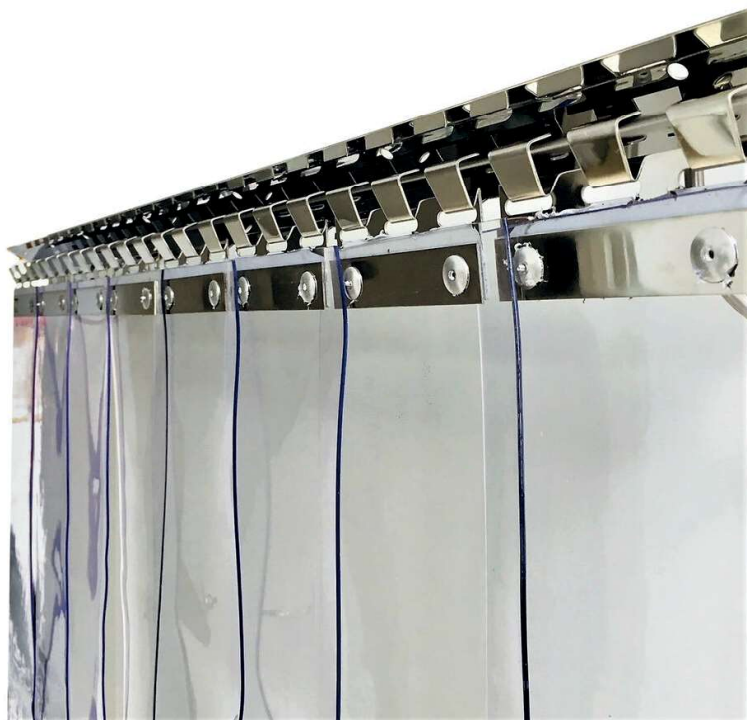
Length (m)	Width (m)	Height (m)	Volume (m ³)	Thickness (mm)
1.15	1.15	2.10	2.78	80/120
2.30	1.15	2.10	5.55	80/120
3.45	1.15	2.10	8.33	80/120
2.30	2.30	2.10	11.11	80/120
3.45	2.30	2.10	16.66	80/120
3.45	3.45	2.10	25.00	80/120



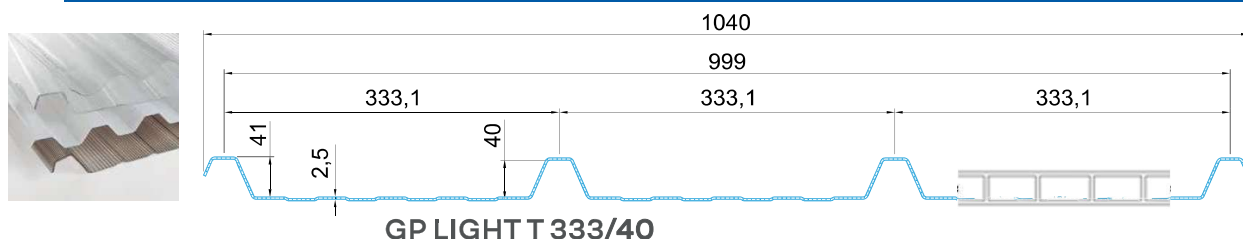
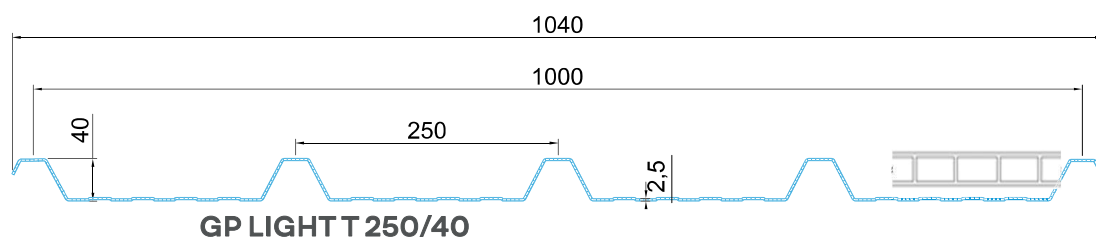
Modular Room Assembly



Strip Curtain



Translucent



Technical Characteristics GP Light

Thickness	2,5 mm	
Structure	2 walls	
Length	5850 mm	
Thermal transmission	4,7 W/m² K	
Operating temperature	- 40 °C / + 120 °C	
UV protection	Co-extruded on the outer side	
Linear thermal expansion	65 x 10 ⁻⁶ K ⁻¹ (=0,065 mm/m °C)	
Light transmission*	Colorless (0010)	84% (±5)
	Opal (0035)	76% (±5)
Warranty	Ten years against hail, yellowing, loss of light transmission	

* Value determined by internal testing

Application and Key Features:

GP LIGHT sheets are ribbed panels made of 2.5mm thick hollow polycarbonate. This product is highly versatile for roofing applications as it can be used as a single sheet over the entire length of the roof or with overlap across the width of the sheet with most sandwich panels currently on the market. The honeycomb structure of these sheets offers several advantages in terms of thermal insulation, condensation reduction, impact resistance, and load resistance. GP LIGHT sheets can be used in combination with our panels in applications such as false ceilings to enhance the thermal insulation of the lighting area of the roof.

Specifications:

Manufacturing of flat skylights and lighting with GP LIGHT ribbed sheets made of 2.5mm thick hollow polycarbonate, 2-wall structure, UV protected on the outer side, variable useful width of the sheet according to the profile, custom lengths, thermal insulation $U_g = 4.7 \text{ W/m}^2 \text{ K}$, 10-year warranty.

Technical Characteristics GP LIGHT:

Thickness: 2.5mm Structure: 2 walls Thermal transmission: 4.7 W/m^2 Operating temperature: -40°C to $+120^\circ\text{C}$ UV protection: Co-extruded on the outer side Linear thermal expansion: 65×10^{-6}

Light transmission

THICKNESS	LOAD VALUES							
	600 N/m ²		900 N/m ²		1200 N/m ²		1500 N/m ²	
	D	d	D	d	D	d	D	d
2,5 mm	1500	1200	1350	1050	1250	1000	1200	950

MAXIMUM PURLIN SPAN

C and Z Purlins

C-Z PROFILE

Application

C-Z profiles serve as an ideal and robust support for cladding and roofing in the construction industry. They can be easily installed on the frame and ensure a well-balanced fixation. The C-Z profile is a cold-formed galvanized profile that easily replaces wood or hot-rolled profiles.

Standard Execution

Cold-formed profile in the shape of Z or C with flat walls perpendicular to each other.
Galvanized steel according to EN10346, S280
Height ranging from 80mm to 240mm
Sheet thickness: 1.50mm, 2.00mm
Length: up to 6000mm



An Economic Solution

Z profiles can be used as roof purlins and cladding rails. Compared to hot-rolled profiles, using C or Z purlins or rails allows for a weight reduction of up to 50%.



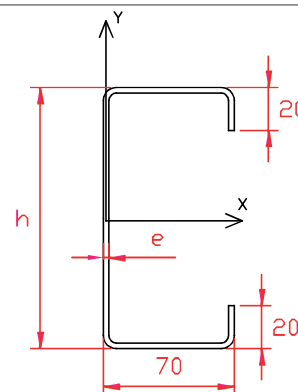
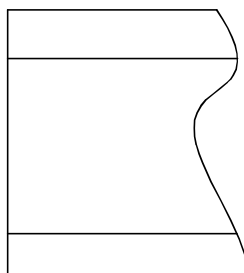
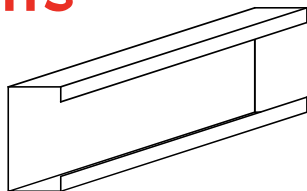
The minimized weight enables easy handling.

	C and Z Profiles	I Profile
Weight (daN/m ²)	3,50 à 8,00	> 7
Maximum span per profile (m)	6 m	> 12 m
Finish	Galvanized	To be treated
Fixing	Bolted	Welded or bolted
Production	Custom-made and perforated	To be cut and drilled
Length (m)	up to 6m	6 m
Handling	Light	Heavy

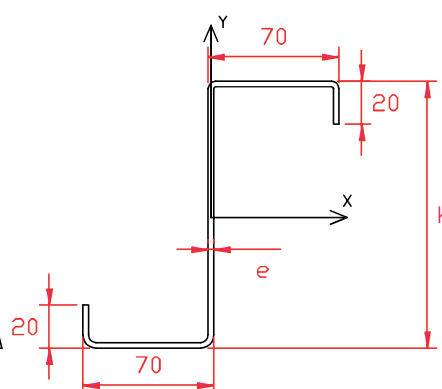
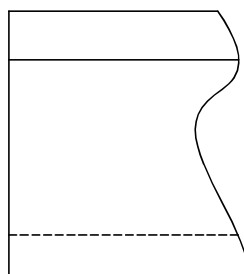
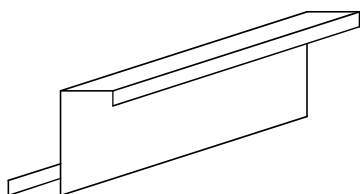




C Purlins



Z Purlins



e (mm)	h (mm)	Poids (kg/ml)	Ix (Cm)	Ix/V (Cm3)	Ix (Cm)	Iy (cm3)	Iy/V (cm3)	Iy (cm)
2,00	80	4,16	56,16	14,04	3,46	77,10	11,17	4,05
2,00	100	4,48	93,13	18,63	4,27	77,10	11,17	3,89
2,00	120	4,80	140,97	23,50	5,06	77,10	11,17	3,74
2,00	140	5,12	200,50	28,64	5,83	77,10	11,17	3,62
2,00	160	5,44	272,50	34,06	6,58	77,11	11,17	3,50
2,00	180	5,76	357,79	39,75	7,31	77,11	11,18	3,39
2,00	200	6,08	457,16	45,72	8,02	77,11	11,18	3,30
2,00	220	6,40	571,40	51,95	8,73	77,11	11,18	3,21
2,00	240	6,72	701,33	58,44	9,42	77,11	11,18	3,12

Table of IPE and C-Z Profile Equivalence

Type IPE	Poids (kg/ml)	Type	Epaisseur (mm)	Poids (Kg/ml)	GAIN DE POIDS
IPE80	6.00	140	1.50	3.77	37%
		140	2.00	5.02	16%
		160	1.50	4.00	33%
IPE100	8.10	160	2.00	5.34	34%
		180	2.00	5.65	30%
		200	1.50	4.47	45%
IPE120	10.40	200	2.00	5.96	42%
		220	1.50	4.71	54%
IPE140	12.90	220	2.00	6.28	51%
		240	2.00	6.59	49%

 (+216) 70 244 640
 (+216) 70 244 658

 **Siege Social :** Centre Urbain Nord
City Center Imm E-5-1, 1082 Tunis - Tunisie.

 **Showroom :** Route de ceinture, 4022
Akouda, Sousse - Tunisie.

 **Usine :** Route de Kondar
4060 Kalaa Kébira, Sousse - Tunisie.



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