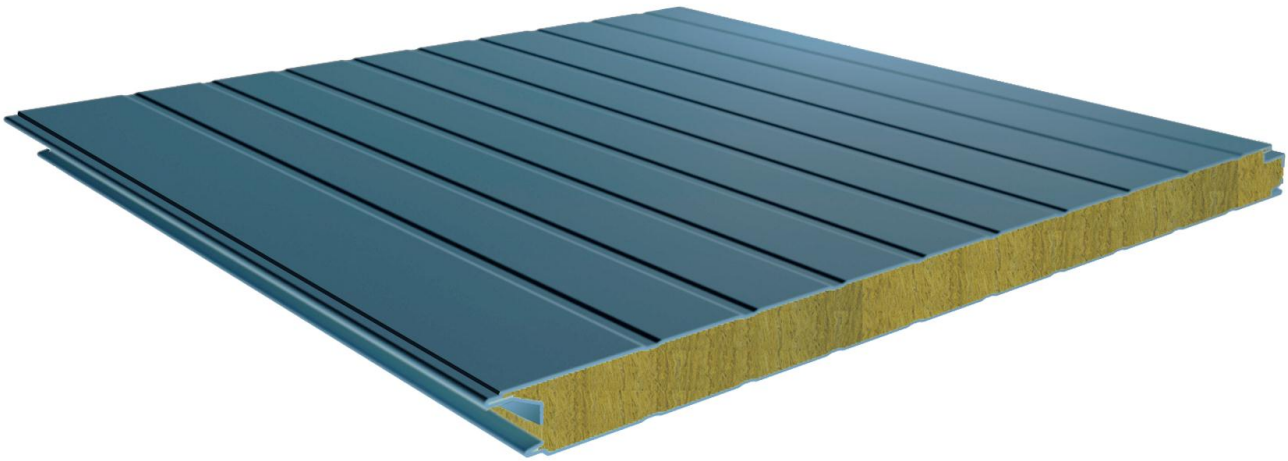
Master Panel 1000 WT
Wall



Product Description

In order to generate an aesthethic outlook wall panels are generally produced as micro hedge. Besides, in connection points concealed screw is used which provides a nice look since it can be implemented both vertically and horizontally. 1000 WT panel with that property can be applied safely on structures facing high fire risks and buildings for which maximum fire resistance is essential.

Production Plant

Balıkesir

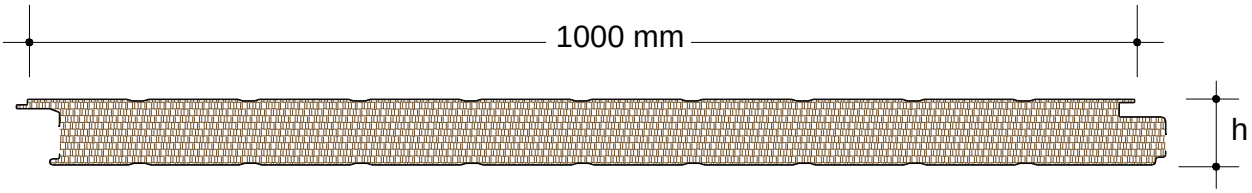
Product Application

Industrial Buildings
Public Buildings
Storehouse Halls
Residental Buildings
Trade Buildings
Sport Halls
Exhibition Buildings
Office Buildings

Performance Advantages

Rockwool has the best fire resistance capacity.
Reduces the construction times and construction costs of the building.
No need to use additionaly coating system such as paint or plaster.
There are many RAL colour options.
Depending on the degree and type of corrosion and final end use, types of coatings system can be selected. (Polyester, PvdF, Plastisol, PVC)
Installation of the panel cladding can be done vertical or horizontal.
In connection points concealed screw is used which provides a nice look.

Dimension



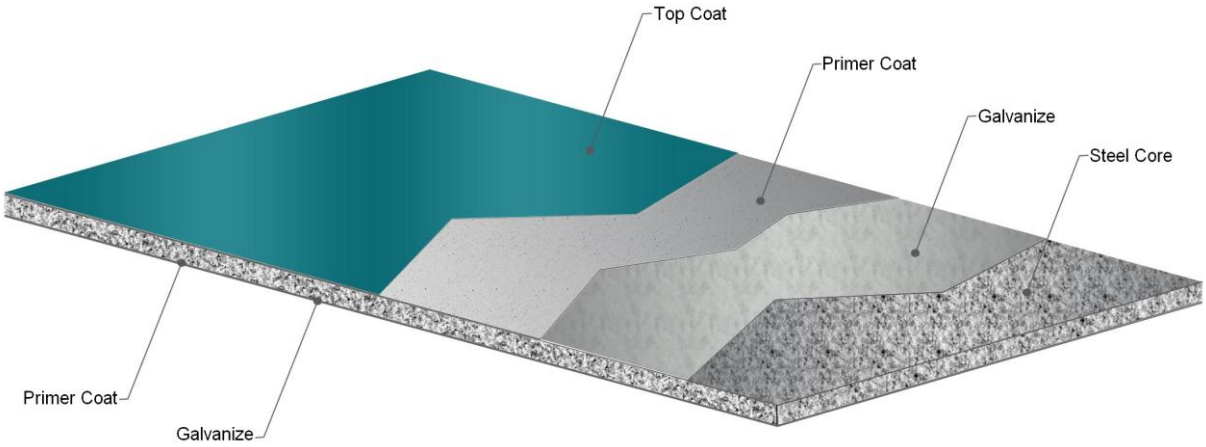
- h: 50-60-80-100-120 mm

Modular width	1000 mm
Minimum length	3 meter
Maximum length	Depends on Transportation Conditions

Rockwool

Density	100 (±10) kg/m3
Thickness	50-60-80-100-120 mm
Thermal conductivity λ (EN 13165)	0,033 W/mK
Reaction to fire (EN 13501-1)	A1
Water absorption (EN ISO 354)	% 2
Heat resistance	600 ºC
Acoustic absorptation Rw [dB] ≥	30
Vapour diffusion resistance (EN 12086)	1

Metallic Surface



Prepainted Galvanized Steel Surface

Type	Prepainted galvanized steel
External facing thickness	0,5-0,6-0,7 mm
Internal facing thickness	0,5-0,6-0,7 mm
Thickness tolerance (EN 10143)	Nominal
Steel quality (EN 10327)	DX51 D+Z
Hot dip coated steel grade (EN 10327)	100-275 gr/m2
Paint type	Polyester, PvdF, Plastisol, PVC

Load / Span Table

PPGS External sheet thickness (mm)	PPGS Internal sheet thickness (mm)	Rock Wool (mm)	Double Span 175 cm	200 cm	225 cm	250 cm	275 cm	300 cm	325 cm	350 cm	375 cm	400 cm	500 cm
0,6	**0,5**	**50**	156	136	119	106	95	86	78	72	66	61	
0,6	**0,5**	**60**	191	165	145	129	116	105	96	88	81	75	57
0,6	**0,5**	**80**	257	223	196	175	157	143	131	120	111	103	79
0,6	**0,5**	**100**	324	281	248	221	199	181	166	152	141	131	101
0,6	**0,5**	**120**	356	309	273	243	219	199	183	167	155	144	111

- Load : kg/m²
- Deflection : L/200
- PPGS: Prepainted galvanized sheet

Coefficient of Thermal Conductivity

Rockwool (mm)	External sheet (mm)	Internal sheet (mm)	U WT panel (W/m^2K)	U WT panel ($Kcal/m^2hC$)
50	**0,6**	**0,5**	0,679	0,584
60	**0,6**	**0,5**	0,577	0,496
80	**0,6**	**0,5**	0,443	0,381
100	**0,6**	**0,5**	0,360	0,309
120	**0,6**	**0,5**	0,303	0,260

- TSE EN 14509

Mechanical Properties

Steel Faces yield strength	min. 220 N/mm^2
Cross panel tensile strength (fct)	min. 0,018 Mpa
Cross panel tensile modulus at elevated temperature	min. 0,04 Mpa
Shear strength of core material (fcv)	min. 0,06 Mpa
Shear modulus of core material (G)	min. 3,0 Mpa
Compressive strength (σ10)	min. 0,07 Mpa
Bending moment capacity in span (Mu)	min. 1,5 KNm/m (Upwards) min. 1,5 KNm/m (Downwars)

- TSE EN 14509

Tolerances

Thickness	Length	Width	Rectangularity
± %4	± 10 mm	± 2 mm	± 5 mm

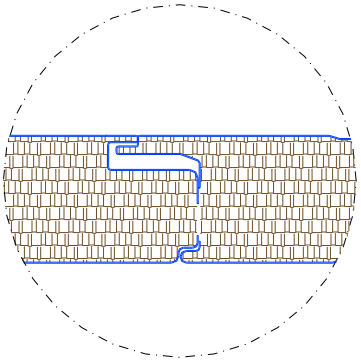
Package

Thickness (mm)	50	60	80	100	120
Quantity	19	16	12	9	8

Standart Colors

RAL 1028 RAL 3000 RAL 3009 RAL 5002 RAL 5010 RAL 5015 RAL 5018 RAL 6021 RAL 9002 RAL 9006

Joint Details



Transportation and Protection of sandwich panel

During hoisting take precaution for the sling.

Do not drag panel's in a pile, or on the roof purlins. Lift panel's from both ends when moving or laying in place.

Panel's to be stored on site for long periods should be stacked in covered areas. Wherever possible, always place stackes preferably on wooden wedges, against ground water.

For shorter periods stacks should be arranged on sloppy areas with a simple scaffolding and polyethilen coverleaving space for ventilation. Place stacks on a simple wedge.

Do not walk on panels.

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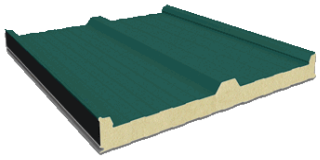
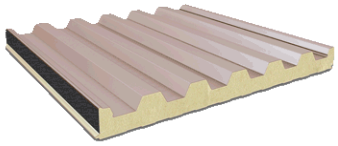
"Sandwich Panel Expert"

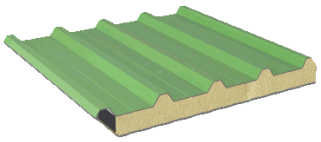
Assan Panel Wall & Roof Cladding Systems



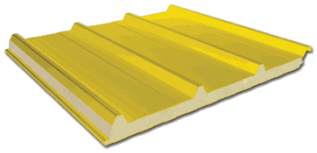
MASTER PANEL 915 R3



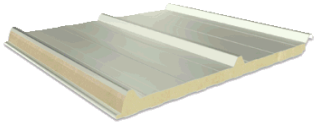
MASTER PANEL 1000 R7



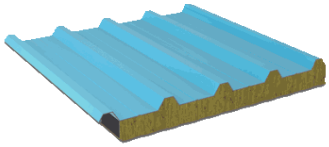
MASTER PANEL 1000 R5



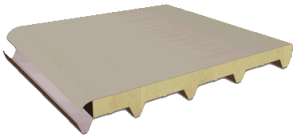
MASTER PANEL NOVA4



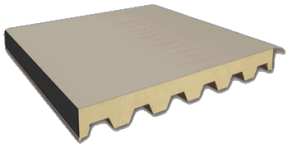
MASTER PANEL NOVA3



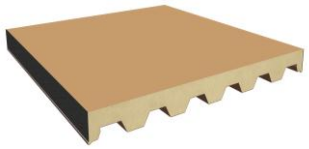
MASTER PANEL 1000R5T



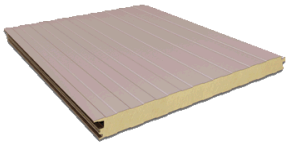
MASTER PANEL 1000 R5M



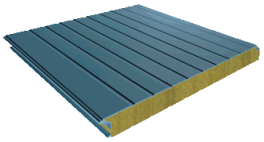
MASTER PANEL 1000 R7M



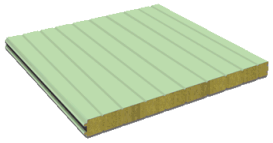
MASTER PANEL 1000 R7K



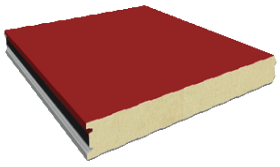
MASTER PANEL 1000 W



MASTER PANEL 1000 WT



MASTER PANEL 1000 DWT



MASTER PANEL 1100 CS

CORRUGATED SHEETS 27/200

CORRUGATED SHEETS 38/151

CORRUGATED SHEETS 50/207

CORRUGATED SHEETS 18/838

PERFORATED CORRUGATED SHEETS

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