

Structural insulated panel (SIP) used as an external wall for the Panhouse construction system. Made with perimeter structural steel and with external cladding in Magnesium Oxide. Internal PVC tubes for technical equipment wiring (electricity, water and gas).

### Certifications

26  
REI

#### Fire resistance

26 minutes in accordance with NBR5628

TAS  
202

#### Load test and

#### impact resistance test

in accordance with FBC TAS202

ASTM  
E283

#### Air infiltrations

in accordance with ASTM E283

### Use and specifications



Housing solutions



Thermal insulation



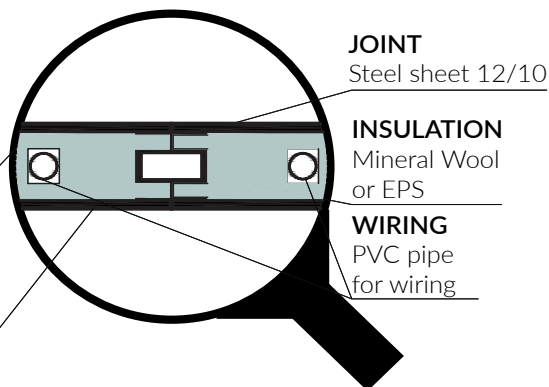
Quick assembly

#### EXTERNAL COATING

Oxide magnesium board 12mm

#### INTERNAL COATING

Oxide magnesium board 8mm



#### JOINT

Steel sheet 12/10

#### INSULATION

Mineral Wool or EPS

#### WIRING

PVC pipe for wiring

#### Reference measurements\*:

Width.	Length.	Thickness.
1060mm	from 2440 to 3500	from 80 to 130 mm

\* Size can be customised to prevent cuts and adjustments.

INSULATION	THICKNESS (mm)	U (W/m <sup>2</sup> K)	WEIGHT (kg/m <sup>2</sup> )
EPS	80	0.60	25.3
EPS	100	0.45	26.3
EPS	120	0.36	27.3
LR	80	0.64	28.3
LR	100	0.48	30.7
LR	120	0.39	33.2