

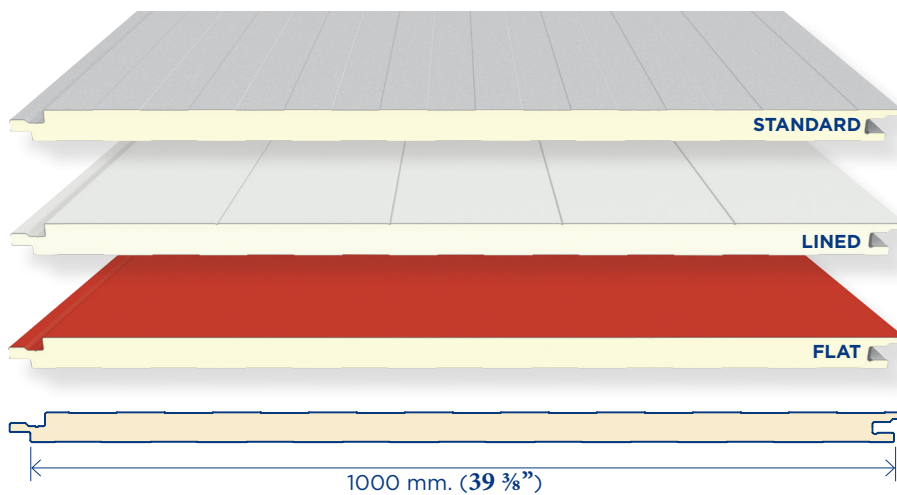


**MASTER-F** panels are structural wall Insulated Metal Panels composed of steel skins laminated to a minimum of 1.96-inch polyisocyanurate foam core (min 2.3 pcf density).

**MASTER-F** panels have a tongue and groove joining system designed to hide and protect the fixings, which gives an excellent aesthetic appearance. They can be installed in both vertical and horizontal positions.

**MASTER-F** panels are available in four different thicknesses. They come in three different exterior finishes (standard, lined and flat) and two different interior finishes (standard and flat), as well as a wide range of available colours.

## Master-F Wall panels



### TECHNICAL SPECIFICATIONS Master-F Wall panels

	VALUES
<b>Panel thickness</b>	50, 60, 80, 100, mm. 1 <sup>3</sup> / <sub>2</sub> , 2 <sup>3</sup> / <sub>8</sub> , 3 <sup>5</sup> / <sub>32</sub> , 3 <sup>15</sup> / <sub>16</sub> , inch.
<b>Useable width</b>	1000 mm. (39 <sup>3</sup> / <sub>8</sub> " )
<b>Length</b>	Up to 11.900 mm. (39 ft.)
<b>Field of application</b>	Facing
<b>Thicknesses of outer face</b>	mm 0.5 / 0.6 / 0.7 GAUGE 26 / 24 / 22
<b>Thicknesses of inner face</b>	mm 0.5 / 0.6 / 0.7 GAUGE 26 / 24 / 22
<b>Exterior face</b>	G90 galvanized or AZ50 aluminum-zinc, coated steel in 26 GA and above
<b>Interior face</b>	G90 galvanized or AZ50 aluminum-zinc, coated steel in 26 GA and above
<b>Coatings</b>	Polyester 25um (1 mil)
	PVDF 25um / 35um (1 mil / 1.38 mils)
	Granite HDX / SDP 50 (2,16 mils)
<b>Outer ribbing</b>	Standard / lined / flat
<b>Inner ribbing</b>	Standard / Flat
<b>Type of core</b>	Polyisocyanurate (PIR)
<b>Core Density</b>	40 Kg/m <sup>3</sup> (2.3 PCF)



UNE-EN 13501  
Reaction to fire:  
B-s1, d0

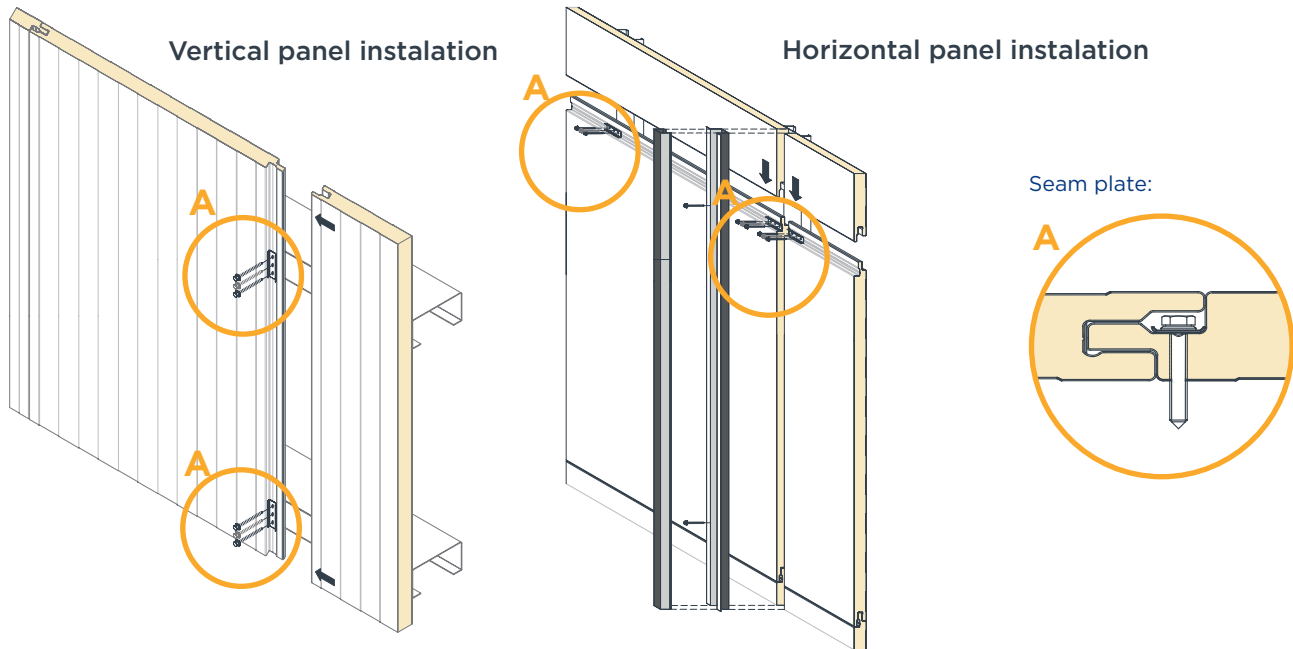


ASTM E84  
Class A



## Functions and benefits of **MASTER-F** panels

Excellent aesthetics	A versatile material that allows any configuration
High thermal insulation capacity	Quick to install and easy to maintain
High mechanical strength	Easily removable
High dimensional stability	Made to measure, avoids waste
Water vapour tight	Resistant to aggressive environments



Panel thickness	Panel weight	U - Value	R - Value
mm (")	LB/ft <sup>2</sup>	BTU/Hr ft <sup>2</sup> °F	Hr ft <sup>2</sup> °F/BTU
50 (1 3/32")	2.17	0.072	13.911
60 (2 3/8")	2.25	0.059	17.083
80 (3 1/2")	2.41	0.043	23.063
100 (3 15/16")	2.58	0.034	29.025



### Testing and approvals:

Master Panel wall panel meet the most demanding requirements. We have large experience in producing insulated metal panels in our continuous production line and we have obtained the FL approval with reference #FL27199.

TEST	TEST METHOD	RESULTS
Fire	ASTM E 84	Flame spread index 20 Smoke developed index 300
Strength	ASTM E 8	> 32 ksi steel
Wind Uplift	ASTM E 330	Design load up to 67.5 psf
Water penetration	ASTM E 331	No water leakage at 12 psf
Permeability	ASTM E 283	< 0.004 cfm/ft <sup>2</sup> at 12 psf

