

# Europanel

## Product Data Sheet

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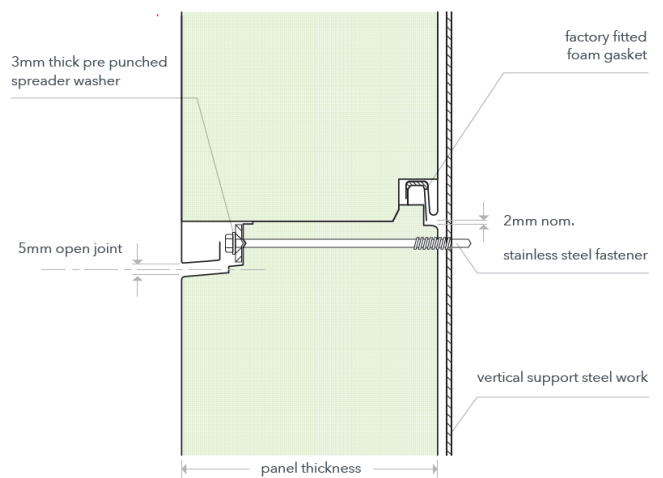


# Product Data Sheet

Europanel F5, S5, F5 Extra, S5 Extra and G12 – External Wall Panel Solution (Secret Fixed)

## Application

The Europanel® system is Eurobond’s flagship architectural product. Designed with a secret fix application. It has been developed as a ‘total external wall’ solution with ‘built in’ passive fire resistance due to its stone wool core. Modular flexibility in 1mm increments provides greater freedom for architectural expression. Standard horizontal 5mm shadow line joints (F5, S5, F5 Extra, S5 Extra) can be further expressed with the addition of a bold black EPDM gasket to create a 12mm joint and to give the impression of a wider uniform frame around the panel (G12). The panel can be finished with an external F5 Architecturally Flat finish or S5 Satin Line (Micro rib) Finish.



## Panel Properties

Product Tolerances to EN14509	
Length	± 10mm
Width	± 2mm
Thickness	± 2mm
Facing Squareness	± 2mm
Corners (leg length)	± 3mm
Flatness	1.5mm from the theoretical flat plane over a distance of 700mm
Joint gap	± 2mm

Thickness and Weights (0.7mm Face/0.5mm Liner)								
Core Thickness (mm)	75	100	125	150	175	200	240	300
Weight: Lite Core	17.7	20.2	22.7	25.2	27.7	30.2	34.2	-
Weight: Extra Core	19.2	22.2	25.2	28.2	31.2	34.2	39	45.4



## Standard Specification

- **600-1200mm module** widths in 1mm increments
- 1100mm maximum module width for export
- 0.7mm thick external steel face, available in a range of colours from the TATA Colorcoat Prisma range as standard. TATA Colorcoat HPS200 Ultra is also available
- 0.5mm thick internal steel face, in TATA white polyester lining
- Europanel F5 and S5 – **100kg/m<sup>3</sup>** density stone wool **Lite core**
- Europanel F5 Extra / S5 Extra / G12 – **120kg/m<sup>3</sup>** density stone wool **Extra core**
- Panels less than 1.8m long can be supplied and are subject to an extra charge
- All panel lengths subject to technical verification

## Technical Properties

Thermal Performance W/m <sup>2</sup> K								
Core Thickness (mm)	75	100	125	150	175	200	240	300
U value: Lite Core	0.51	0.39	0.31	0.26	0.22	0.19	0.17	-
R value: Lite Core	1.96	2.56	3.23	3.85	4.55	5.26	5.88	-
U value: Extra Core	0.54	0.40	0.33	0.27	0.23	0.20	0.18	0.15
R value: Extra Core	1.85	2.50	3.03	3.70	4.35	5.00	5.55	6.66

Thermal conductivity (λD): Lite Core 0.042 W/mK Extra Core 0.044 W/mK

Acoustic Performance dB								
Core Thickness (mm)	75	100	125	150	175	200	240	300
Lite Core	-	32	32	33	34	34	34	-
Extra Core	31	33	33	34	35	36	36	36

Span performance is defined by Eurobond Technical Department on a project by project basis. Please contact [panel.technical@eurocladgroup.com](mailto:panel.technical@eurocladgroup.com) for more information.

## Fire Performance

Eurobond panels offer a Euroclass A2-s1, d0 Reaction to Fire when tested and classified to BS EN13501-1 with standard finishes.

Europanel can offer up to 3 hours fire resistance to both insulation and integrity but should be technically verified by Eurobond on a project basis, to the correct standards.