

Europanel®

Product Data Sheet

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

Contents

The Europanel® wall panels are manufactured using a high density stone wool core offering varying levels of fire resistance, thermal and acoustic performance allowing the provision of solutions to different sectors and international markets.

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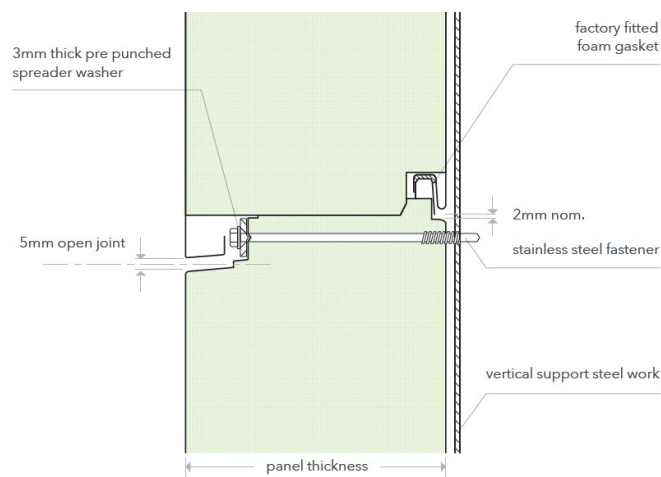
Application

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.

The panel can be finished with an external F5 Extra Architecturally Flat finish or S5 Extra Satin Line (Micro-rib) Finish.



Panel Properties

Product Tolerances to EN14509

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

Thickness and Weights (0.7mm Face / 0.5mm Liner)

Core Thickness (mm)	75	100	125	150	175	200	240	300
Weight: kg/m ²	19.2	22.2	25.2	28.2	31.2	34.2	39	45.4

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Standard Specification

- 600-1200 mm module widths in 1mm increments
- 1100mm maximum module width for export
- 0.7mm thick external steel face, available in a range of colour coated options
- 0.5mm thick internal steel face, in white polyester lining
- 115kg/m³ density stone wool 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 ² K)								
Core Thickness (mm)	75	100	125	150	175	200	240	300
U value: F5/S5 Extra	0.54	0.40	0.33	0.27	0.23	0.20	0.18	0.15
R value: F5/S5 Extra	1.85	2.50	3.03	3.70	4.35	5.00	5.55	6.66

Thermal conductivity (AD): 0.044 W/mK

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

Fire Performance

Eurobond panels offer a Euroclass A2-s1, d0 Reaction to Fire when tested and classified to BS EN 13501-1 using standard finishes, including TATA Colorcoat Prisma and liners.

Europanel® can offer up to 2 hours fire resistance to both insulation and integrity but should be technically verified by Eurobond on a project basis, to the correct standards.

Building a Better Future Together

Euroclad Group Limited

Wentloog Corporate Park
Wentloog Road
Cardiff
CF3 2ER
United Kingdom

Phone: +44 (0) 2922 010101

Email: enquiries@eurocladgroup.com

www.eurocladgroup.com



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email: panel.technical@eurocladgroup.com

