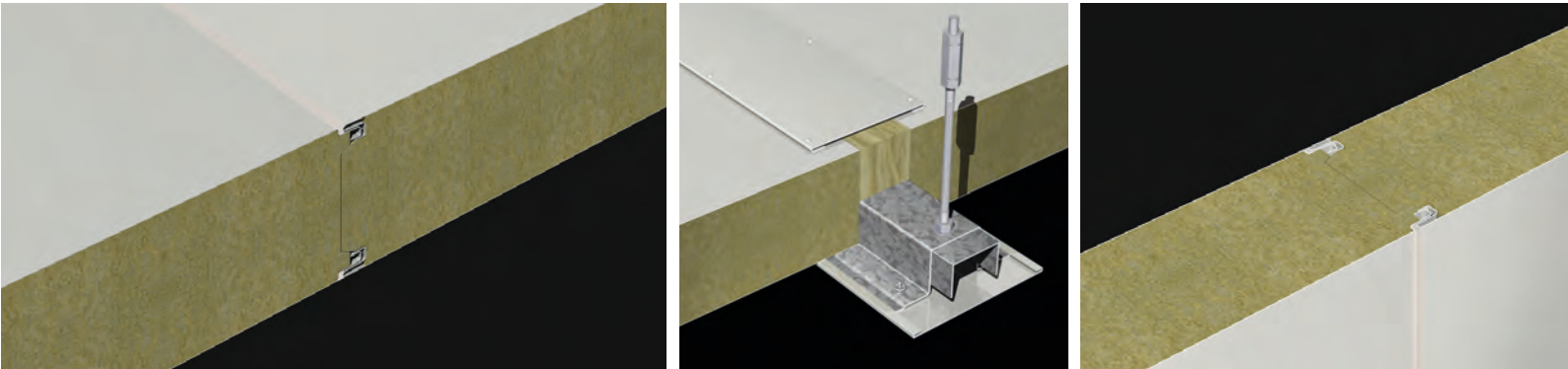


MINERAL FIBRE CORE PANEL



Joint detail included for illustration only, exact joint detail may vary. Please contact us should you require further information.

Panel Thickness (T) (mm)	U-Value (W/m ² K)	Weight (kg/m ²)	Max Wall & Ceiling Spans (m)*	Fire Certification (min)**
75	0.46	15.09	6.0	30
100	0.35	17.34	6.9	30-60
125	0.29	19.59	7.7	30-60
150	0.24	21.84	8.4	60-90
175	0.21	24.09	9.1	60-90
Standard lengths: 1.8m to 12m				
Standard width: 1200mm				

*Indicative values only, based on specific testing criteria. Please contact us for further information if required.

**Based on 0.9kN/m² maximum uniformly distributed loads. Indicative values only, based on specific testing criteria. Please contact us for further information if required.

Application

Controlled environment insulated wall & ceiling panel system that can be laid vertically or horizontally and can be suitable for internal or external wall and roof applications.

Insulation Core

99kg/m³ stone wool manufactured from diabase rock

Substrate

- Steel
- Thickness: 0.5mm nominal internal & external

Heat Transmission

Thermal conductivity (λ) 0.039 W/mK

Substrate Coatings

- Food-safe laminate
- Primer coated galvanised
- White/grey polyester
- Stainless steel 304

Fire Certification

- LPCB certified to LPS 1181 & 1208: FR30 & FR60 - wall & ceilings
- FM Approved to FMRC 4880 Class 1 Fire Certification

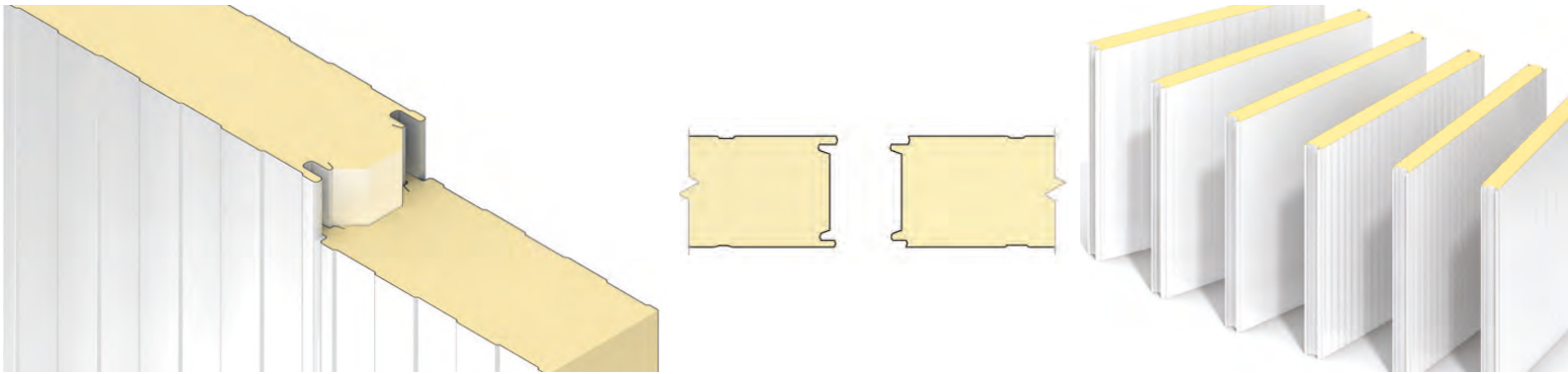
Air Tightness

Air tightness 0.02m³/hr/m² @ 50Pa BSEN14509

Sustainability

End of life: Fully recyclable at conventional shredder plants

POLYISOCYANURATE (PIR) PANELS



Joint detail included for illustration only, exact joint detail may vary. Please contact us should you require further information.

Panel Thickness (T) (mm)	U-Value (W/m ² K)	Weight (kg/m ²)	Max Wall Span (m)*	Max Ceiling Span (m)**	Fire Certification (min)***
50	0.39	10.6	7.0	4.0	N/A
80	0.25	11.8	9.0	6.0	N/A
100	0.20	12.6	10.0	7.0	FR30
125	0.16	13.7	11.4	8.0	FR30
150	0.13	14.8	12.0	8.9	FR30
175	0.11	15.9	12.5	9.5	FR60
200	0.10	16.9	14.4	10.3	FR60

Standard lengths: 2.5m to 15m

*Indicative values only, based on specific testing criteria. Please contact us for further information if required.

**Based on 0.9kN/m² maximum uniformly distributed loads. Indicative values only, based on specific testing criteria. Please contact us for further information if required.

***When installed to appropriate specification.

Application

Controlled environment insulated wall & ceiling panel system that can be laid vertically or horizontally and can be suitable for internal or external wall and roof applications.

Insulation Core

Environmentally sustainable closed cell PIR insulation which is non-deleterious with Zero Ozone Depletion Potential (Zero ODP)

Fire Certification

- LPCB certified to LPS 1208: FR30 & FR60 - Walls & Ceilings
- FM Approved to FMRC 4880 Class 1 Fire Certification

Heat Transmission

Thermal Conductivity (λ): 0.020 W/mK

Substrate

- Hot dipped zinc coated metal
- Thickness: 0.5mm nominal internal & external

Substrate Coatings

Plain Prime Coating 15 μ m

- Colour: Variable

Polyester Coating 25 μ m

- Colour: White 9010 (RAL)

Food-safe PVC Laminate

- Colour: White 9003 (RAL)

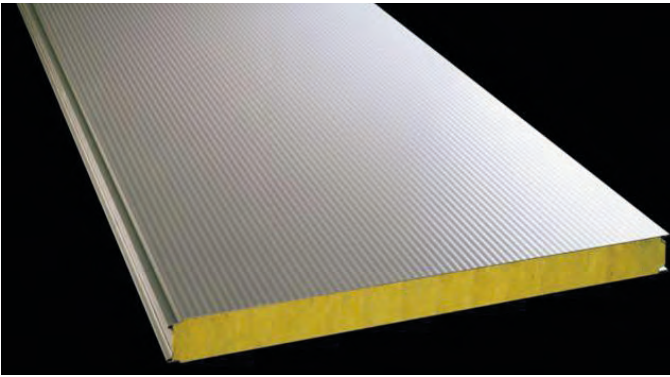
Air Tightness

Air Tightness 0.02m³/hr/m² @ 50Pa BSEN14509

Sustainability

End of life: Fully recyclable at conventional shredder plants

MINERAL FIBRE CORE PANEL



Joint detail included for illustration only, exact joint detail may vary. Please contact us should you require further information.

Panel Thickness (T) (mm)	U-Value (W/m ² K)	Weight (kg/m ²)	Max Wall Span (m)*	Max Ceiling Span (m)**	Fire Certification (min)***
50	0.74	16.3	-	-	-
60	0.61	17.5	6.6	4.0	EI 30
80	0.47	19.9	7.7	5.0	EI 60
100	0.39	22.3	8.7	5.7	EI 90
120	0.32	24.7	9.6	6.3	EI 120
150	0.26	28.3	10.4	6.7	EI 180
200	0.20	34.3	200	7.1	EI 240

Standard lengths: 2.5m to 14m

Standard widths: 1000mm to 2000mm

*Based on 120kg/m³ mineral wool density panel core, temperature and gradient over panel 0°C - 6°C, internal loading 0.3 kN/m², maximum deflection L/150 indicative values only, based on specific testing criteria. Please contact us for further information if required.

**Based on 130kg/m³ mineral wool density panel core, temperature and gradient over panel 0°C - 6°C, panel dead weight loading, point load of 0.9 kN and a UDL of 0.25 kN/m² as BS6399 Part 1, maximum deflection L / 200.

***Class EI acc. to EN 1364-1 when installed to appropriate specification.

Application

Controlled environment insulated, fire resistant wall & ceiling panel system that can be laid vertically or horizontally and can be suitable for internal or external wall and roof applications.

Insulation Core

Laminated mineral wool Class A1 (EN 13501-1) non-combustible.

Substrate

- Steel sheet galvanized on both sides with a zinc coat of 275g (ZN)/m²
- Thickness: 0.6mm nominal internal & external

Substrate Coatings

- Polyester coating: 25µm
- Colour: White 9010 (RAL) - other colours available on request
- Also available PVDF, polyester, plastisol & food-safe hygienic protection

Fire Certification

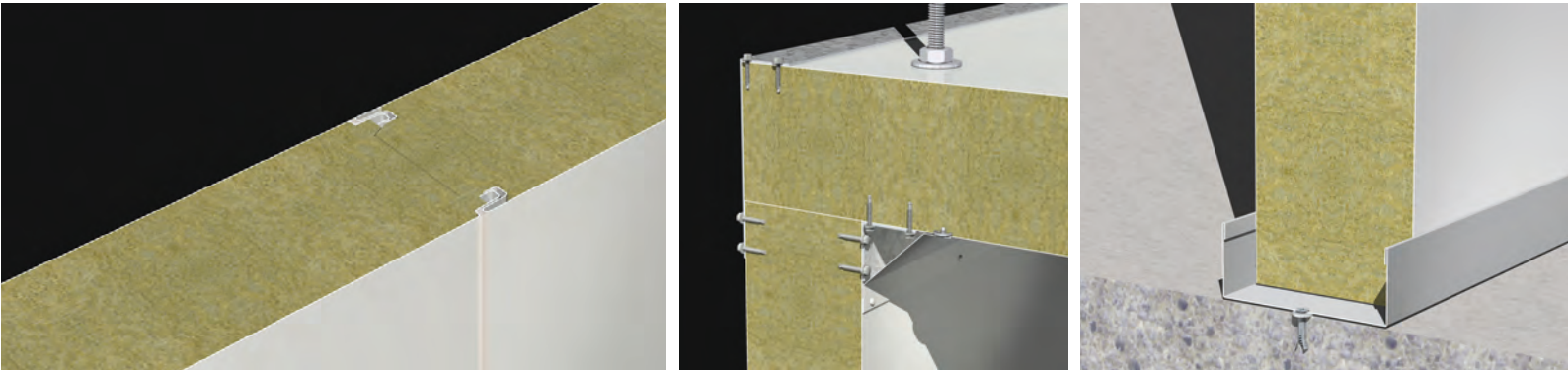
- LPCB certified to LPS 1208: Walls & Ceilings
- FM Approved to FMRC 4880 Class 1 Fire Certification

Sustainability

End of life: Fully recyclable at conventional shredder plants



MINERAL FIBRE CORE PANEL



Joint detail included for illustration only, exact joint detail may vary. Please contact us should you require further information.

Panel Thickness (T) (mm)	U-Value (W/m ² K)	Weight (kg/m ²)	Max Wall & Ceiling Spans (m)*	Fire Certification (min)**
75	0.49	18.46	8.2	60
100	0.38	21.84	9.4	30-120
125	0.31	25.21	10.5	30-120
150	0.26	28.59	11.5	30-120
175	0.23	31.97	12.0	180***
Standard lengths: 1.8m to 12m				
Standard width: 1200mm				

*wall panel based on 0.25kN/m² maximum uniformly distributed load. Ceiling panel calculations are based on BS6399 using a uniformly distributed load of 0.25kN/m² plus a point load of 0/9 kN based on the cold state structural performance of the panels. Where fire resistance is required, the allowable spans may need to be reduced to ensure the fire resistance is maintained.
 **exact fire resistance dependent on installation and span.
 ***0.7mm facings.

Application

Controlled environment insulated wall & ceiling panel system that can be laid vertically or horizontally and can be suitable for internal or external wall and roof applications.

Insulation Core

135kg/m³ stone wool manufactured from diabase rock

Substrate

- Steel
- Thickness: 0.5mm nominal internal & external (75-150mm panel thickness) & 0.7mm nominal internal & external for 175mm panel thickness

Substrate Coatings

- Food-safe laminate
- Primer coated galvanised
- White/grey polyester
- Stainless steel 304

Heat Transmission

Thermal conductivity (λ) 0.042 W/mK

Fire Certification

- LPCB certified to LPS 1181 & 1208: FR30 & FR60 - wall & ceilings
- FM Approved to FMRC 4880 Class 1 Fire Certification

Sustainability

End of life: Fully recyclable at conventional shredder plants



FIRE-RATED PERSONNEL DOOR



Please note that images are included for illustration purposes only and exact details may vary. Please contact us should you require further information.

Application

30, 60 or 120 minute fire-rated personnel door suitable for warehouses, corridors, production areas, offices and available in a range of RAL colours, finishes and vision panels.

The door has been designed to have a similar appearance to the standard personnel door and is manufactured with a stainless steel clamp frame and stainless steel surround.

Door Leaf

- White painted steel RAL 9010 as standard, other finishes available at an additional cost.
- 0.6mm steel substrate thickness.
- 60mm mineral wool core material.

Door Frame

- Stainless steel clamp frame for easy installation onto insulated panel and can be adapted to fit onto blockwork.

Standard Accessories

- Stainless steel lever handles and hinges
- Door closers to meet fire regulations
- Intumescent gasket to the frame

Standard Dimensions

	mm
Single leaf - clear width	From 700 to 1000
Single leaf - clear height	From 1800 to 2200
Leaf thickness	61
Structural opening width	Clear width +60
Structural opening height	Clear height +30
External frame width	Clear width +150
External frame height	Clear height +75

Optional Accessories

- Fire-rated vision panels with a stainless steel surround
- Eurocylinder key locks, thumb turn locks, keycode locks
- Push plate & pull handles with roller latch, emergency escape panic furniture
- Door protection in stainless steel, 5-bar aluminium or 8mm white polyethylene
- Finishes available in range of RAL colours or stainless steel for both the door leaf and frame