

| | | | |
|---|---|------------|----------------|
|   | <h2 style="margin: 0;">FireStop Panels</h2> | Ref | QP-03 - RD-031 |
| | | Issue | 02 |
| | | Issue Date | 27/05/22 |
| Approved by | Gavin Rees | Page | Page 1 of 2 |

Product Highlights

- | | |
|--|---|
| <ul style="list-style-type: none"> ✓ Water and moisture resistant. ✓ Outstanding thermal resistance. ✓ Does not promote smoke or flame spread when exposed to flame. ✓ Dense composition provides excellent sound control. | <ul style="list-style-type: none"> ✓ Non-combustible stone wall insulation has a melting point of approx. 1177°C. ✓ Does not promote the growth of fungi or mildew. ✓ 100% recyclable. |
|--|---|

Standard Specification

- | | |
|--|---|
| <ul style="list-style-type: none"> - 1190mm module width - Architecturally flat, V-rib, micro-rib, and castellation profiles - Conrock 10 (110kg/m³ density) – FS 10 - Conrock 12.5 (135kg/m³ density) – FS 12 | <ul style="list-style-type: none"> - White Polyester lining 0.5mm gauge – FS 10 and 12 only - White Polyester lining 0.7mm gauge – FS 12.5 only - Minimum panel length – 1.8m - All panel lengths subject to technical verification |
|--|---|

Product Tolerances *

| Length | Width | Thickness | Corners | Flatness | Joint Gap |
|--------|-------|-----------|---------|--|-----------|
| ± 10mm | ± 5mm | ± 2mm | ± 3mm | 1.5mm from the theoretical flat plane over a distance of 700mm | ± 2mm |

Insulation Test Results

| Firestop 10 | | | Firestop 12 | | |
|----------------------|----------------------------------|--------------------|----------------------|----------------------------------|--------------------|
| Panel Thickness (mm) | U-value | R-value | Panel Thickness (mm) | U-value | R-value |
| | Wm ⁻² K ⁻¹ | m ² K/W | | Wm ⁻² K ⁻¹ | m ² K/W |
| 75 | 0.51 | 1.96 | 75 | 0.54 | 1.85 |
| 100 | 0.39 | 2.56 | 100 | 0.4 | 2.50 |
| 125 | 0.31 | 3.23 | 125 | 0.33 | 3.03 |
| 150 | 0.27 | 3.85 | 150 | 0.27 | 3.70 |
| 175 | 0.22 | 4.55 | 175 | 0.23 | 4.35 |
| 200 | 0.19 | 5.26 | 200 | 0.2 | 5.00 |

Weighted Sound Reduction (db)/Panel Weight Per KG/M²

| Core Thickness (mm) | Firestop 10 | Panel Weight Per KG/M ² | Firestop 12 | Panel Weight Per KG/M ² |
|---------------------|-------------|------------------------------------|-------------|------------------------------------|
| 75 | 30 | 15.89 | 30 | 17.77 |
| 100 | 31 | 18.64 | 31 | 21.14 |
| 125 | 32 | 21.39 | 32 | 24.52 |
| 150 | 32 | 24.14 | 32 | 27.89 |
| 175 | 33 | 26.89 | 33 | 31.27 |
| 200 | 34 | 29.64 | 34 | 34.64 |

* product is produced strictly to EN14509 manufacturing tolerances

Application

Isoclad Ltd manufactures Firestop, an insulated Fire-Resistant Panel that can be used for wall systems, horizontally or vertically and ceilings. All panels are manufactured to an ISO 9001:2015 quality assurance system.

The Firestop Insulated Fire-Resistant Panel has a Rockwool (European fire classification Class A1 rated) core and due to its superior fire ratings and non-combustibility is especially suitable for high fire risk locations, such as bakeries, any area where cooking is prevalent of firewalls to comply with Building Regulations.

The non-combustibility of stone wool combined with the steel facings give Firestop panels a Euroclass A2-s1, d0 Reaction to Fire when tested and classified to BS EN13501-1 when specified with the correct steel faces.

Contact



+44 (0) 191 258 5052



sales@isoclad.co.uk



https://isoclad.co.uk



| | | | |
|---|------------------------|------------|----------------|
|   | FireStop Panels | Ref | QP-03 - RD-031 |
| | | Issue | 02 |
| | | Issue Date | 27/05/22 |
| Approved by | Gavin Rees | Page | Page 2 of 2 |

ISOCLAD Firestop Panel

