

INSTALLATION INSTRUCTIONS

1. ENSURE WITHIN APERTURE IS CLEAN AND FREE OF DEBRIS LOOSE CEMENT, AND REMOVE ALL DUST FROM SURFACES REQUIRING INSTALLATION.

DETAIL A - LINEAR OPENING UP TO 35mm, DRYLINED WALLS UP TO 120 MINUTES INTEGRITY & INSULATION, CONCRETE BLOCK-WORK WALLS UP TO 240 MINUTES INTEGRITY & INSULATION

1. SELECT CORRECT SIZE POLYETHYLENE BACKER TO TIGHTLY FIT IN TO APERTURE ALLOWING FOR MOVEMENT REQUIREMENT AND CUT TO REQUIRED LENGTH. EG IF VOID IS 35MM AND MOVEMENT REQUIREMENT IS +15% (30mm OVERALL) THE BACKER MUST BE 45mm, THIS ALLOWS FOR 5mm EXPANSION (15% AT 35mm) AND 5mm ADDITIONALLY TO MAINTAIN THE BACKER AT FULL EXTENSION OF SEAL.
2. FIT POLYETHYLENE BACKER IN TO OPENING TO FORM RECESS (AS PER TABLE BELOW) FROM FRONT FACE OF WALL.

VOID SIZE	INTUMSTIC/INTUSIL DEPTH
35mm	25mm
25mm	25mm
10mm to 25mm	1 to 1 ratio
Up to 10mm	10mm

3. FILL RECESS UNTIL FLUSH WITH WALL AND TROWEL SMOOTH.
4. REPEAT TO THE OPPOSITE SIDE OF THE WALL.

NOTE: WHERE WALL IS SOLID CONCRETE BLOCK-WORK WALL DETAIL IS ONLY REQUIRED TO ONE SIDE OR CENTRALLY

DETAIL B - LINEAR OPENING UP TO 200mm UP TO 120 MINUTES INSULATION & INTEGRITY

1. CUT 50mm 64kg/m³ ROCK MINERAL FIBRE TO TIGHTLY FIT IN TO THE APERTURE ALLOWING FOR MOVEMENT REQUIREMENT. EG IF VOID IS 100mm AND MOVEMENT REQUIREMENT IS +15% (30mm OVERALL) THE BACKER MUST BE CUT AT 120mm, THIS ALLOWS FOR 15mm EXPANSION (15% AT 100mm) AND 5mm ADDITIONALLY TO MAINTAIN THE BACKER AT FULL EXTENSION OF SEAL.
2. FIT 64kg/m³ ROCK MINERAL FIBRE IN TO OPENING TO FORM 3mm RECESS FROM FRONT FACE OF WALL.
3. FILL RECESS UNTIL FLUSH WITH WALL AND TROWEL SMOOTH.
4. REPEAT TO THE OPPOSITE SIDE OF THE WALL.

NOTE: WHERE WALL IS SOLID CONCRETE BLOCK-WORK WALL DETAIL IS ONLY REQUIRED TO ONE SIDE OR CENTRALLY ROCK MINERAL FIBRE MUST BE A MINIMUM OF 100mm THICKNESS & INTUMASTIC MUST BE APPLIED TO BOTH SIDES

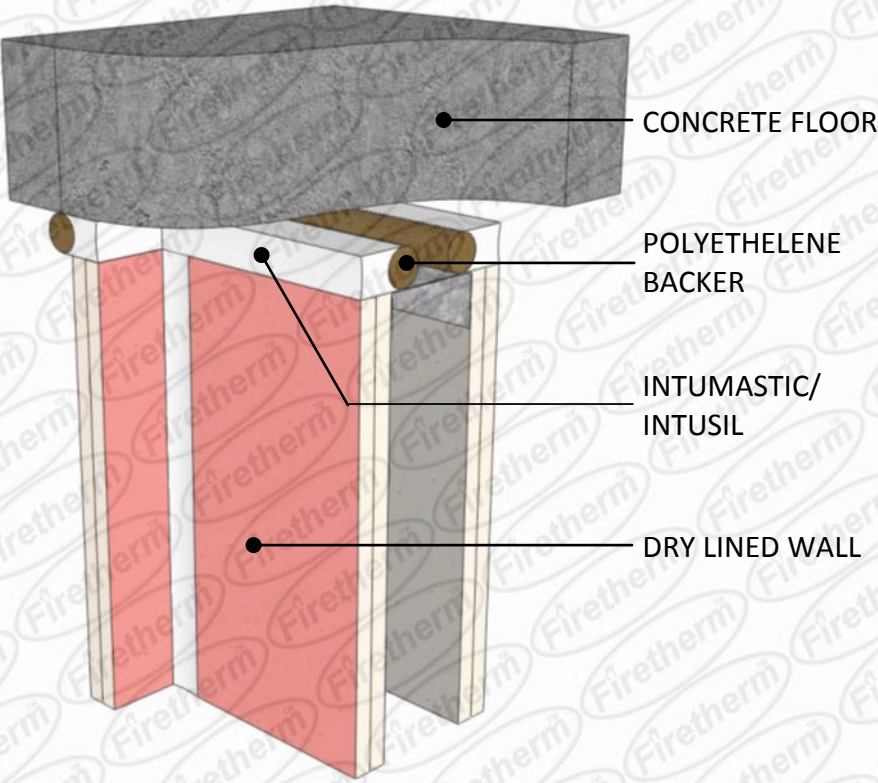
DETAIL C - LINEAR OPENING UP TO 200mm UP TO 120 MINUTES INSULATION & INTEGRITY

1. CUT 100mm 64kg/m³ ROCK MINERAL FIBRE TO TIGHTLY FIT IN TO THE APERTURE ALLOWING FOR MOVEMENT REQUIREMENT. NOTE 1 (IN BLUE) WITHIN DETAIL A & B ABOVE APPLIES.
2. FIT 64kg/m³ ROCK MINERAL FIBRE IN TO OPENING TO FORM 3mm RECESS FROM TOP FACE OF FLOOR.
3. FILL RECESS UNTIL FLUSH WITH FLOOR AND TROWEL SMOOTH.

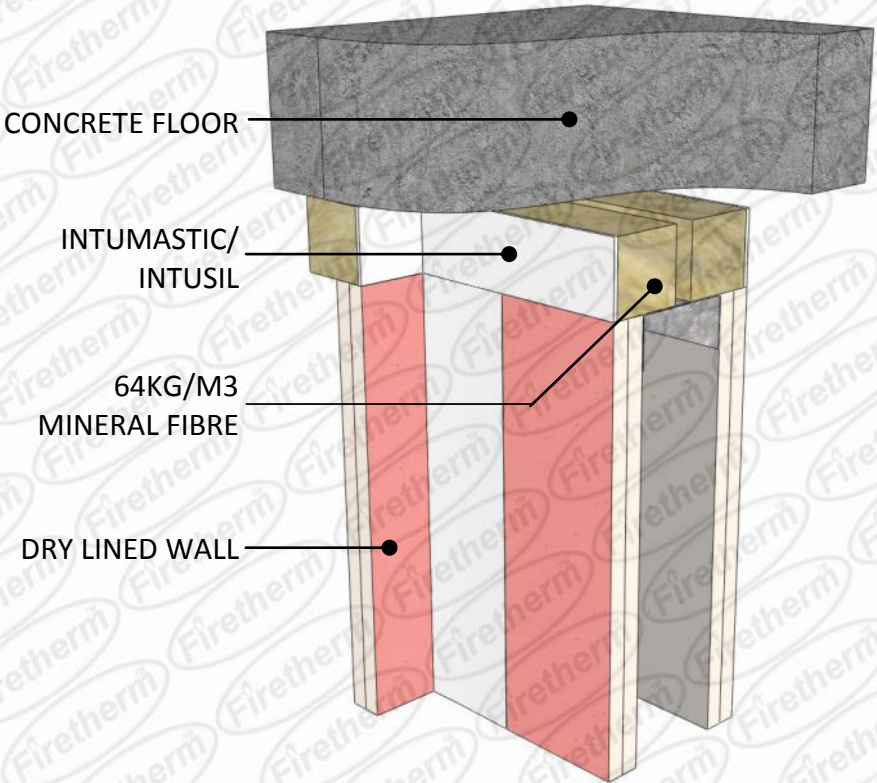
TYPICAL INTUSIL/INTUMASTIC COVERAGE

MASTIC SEAL	INTUMSTIC/INTUSIL LINEAR M PER 310ml TUBE
3mm x 50mm	2.07
10mm x 10mm	3.10
12mm x 25mm	1.03
25mm x 25mm	0.50

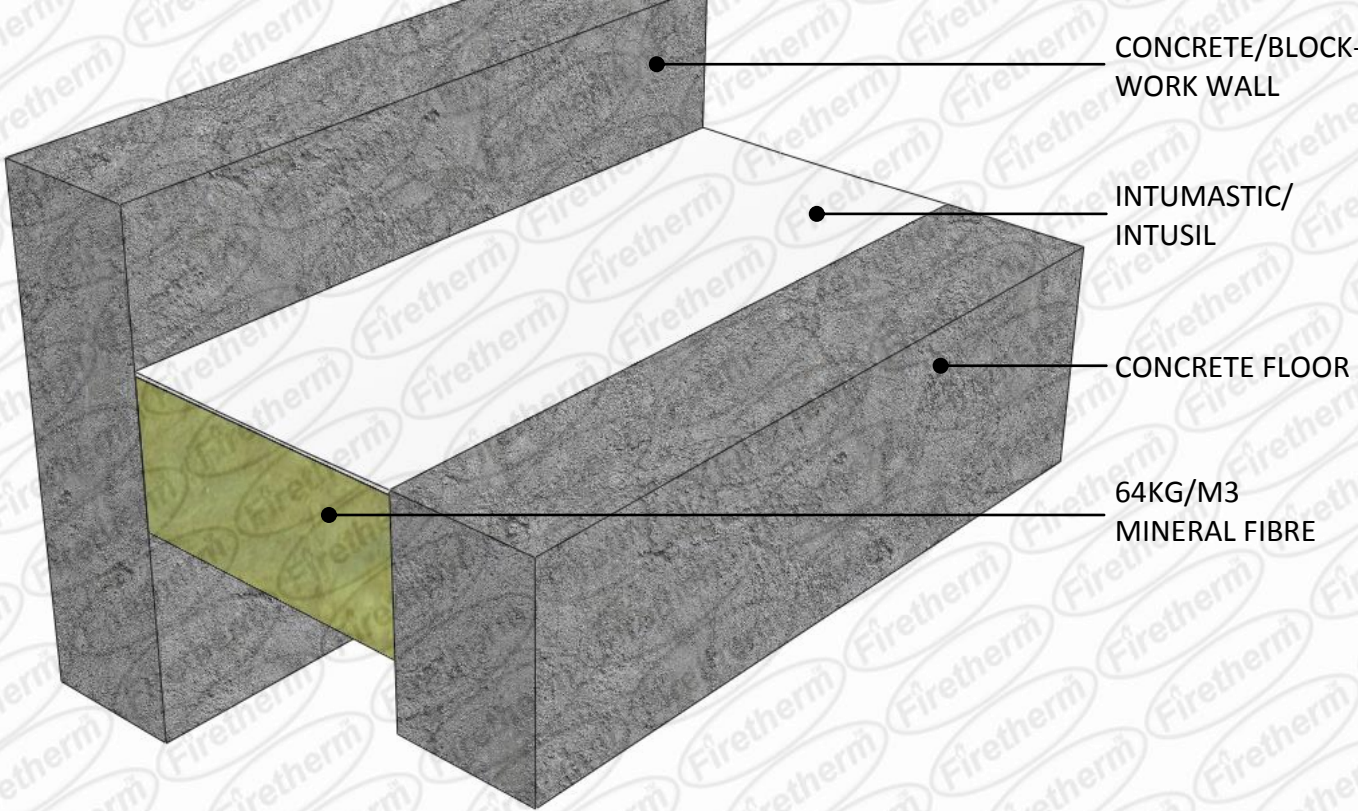
DETAIL A



DETAIL B



DETAIL C



The published fire ratings have been achieved by following the instructions set out above. Use of alternative components or deviations from the instructions in any way will remove Firetherm from any design liability. Firetherm will accept no responsibility for the consequences of using Firetherm products in applications or for the purposes not authorised by Firetherm. Expert advice should be sought where such applications are contemplated.
The information contained within this drawing is believed to be correct on the date of publication, and is based upon tested and certified solutions. The policy of Firetherm is one of constant improvement. Installers must therefore ensure that they are following the latest published drawings and instructions. Whilst Firetherm will endeavour to keep its publications up to date, the accuracy of the information contained within this drawing may be affected by pertinent changes in the law or regulatory requirements and alterations or amendments to the specification of Firetherm products.

Firetherm Technical Support: technical@firetherm.com

Notes

Test: BSEN 1366 / BS 476

Products: INTUMASTIC/INTUSIL
Scenario: Linear seals to construction interfaces.
Penetrations: N/A

Void Size:
Detail A: Up to 35mm
Detail B: Up to 200mm
Detail C: Up to 200mm

Fire Resistance: Tested Up to 240 minutes

Movement:
Intumastic: Up to ± 15%
Intusil: Up to ± 25%

Acoustic: Up to 35mm restate wall
35 to 200mm up to 55dB

Firetherm details will only perform to the substrates performance capabilities. This applies to fire and acoustic.

Details may be applied to certain penetration seals, please see drawing sheet number TBC.

It is the responsibility of the purchaser to ensure suitability. IF IN DOUBT CALL TECHNICAL

DETAILS CONTAINED HEREIN ARE SUITABLE FOR FIRETHERM PRODUCTS ONLY
IF DETAILS ARE USED FOR ANY OTHER PURPOSE LEGAL PROCEEDINGS WILL BE FOLLOWED



FIRETHERM
UK

Client

Job Title

FIRE-STOP MANUAL

Drawing Title

Linear Seal to Various Wall & Floor Constructions.

Scale: N/A Date: June 2014
Sheet Size: A3 Drawn By: Richard Ingle

Drawing Number: PS-006

Rev