

INSTALLATION NOTES

A permanent shuttering made from 50mm ROCKWOOL slab (minimum density 140kg/m3) is cut and friction fitted between services and the edges of the floor slab. Firestop Compound is then trowelled over the shutter to a depth of 25mm thick. This is allowed to cure. Further Firestop Compound is then mixed to a pouring grade and tops the seal up to the required depth.

Floor openings

1) A bag of compound to 10 litres water (3:1) by volume. Vary to suit site conditions.

2) Set the shuttering into the opening ensuring a tight fit so that once the required depth of Compound is installed it finishes flush with the floor slab/screed unless otherwise specified.

3) Mix and pour compound until the required thickness is achieved.

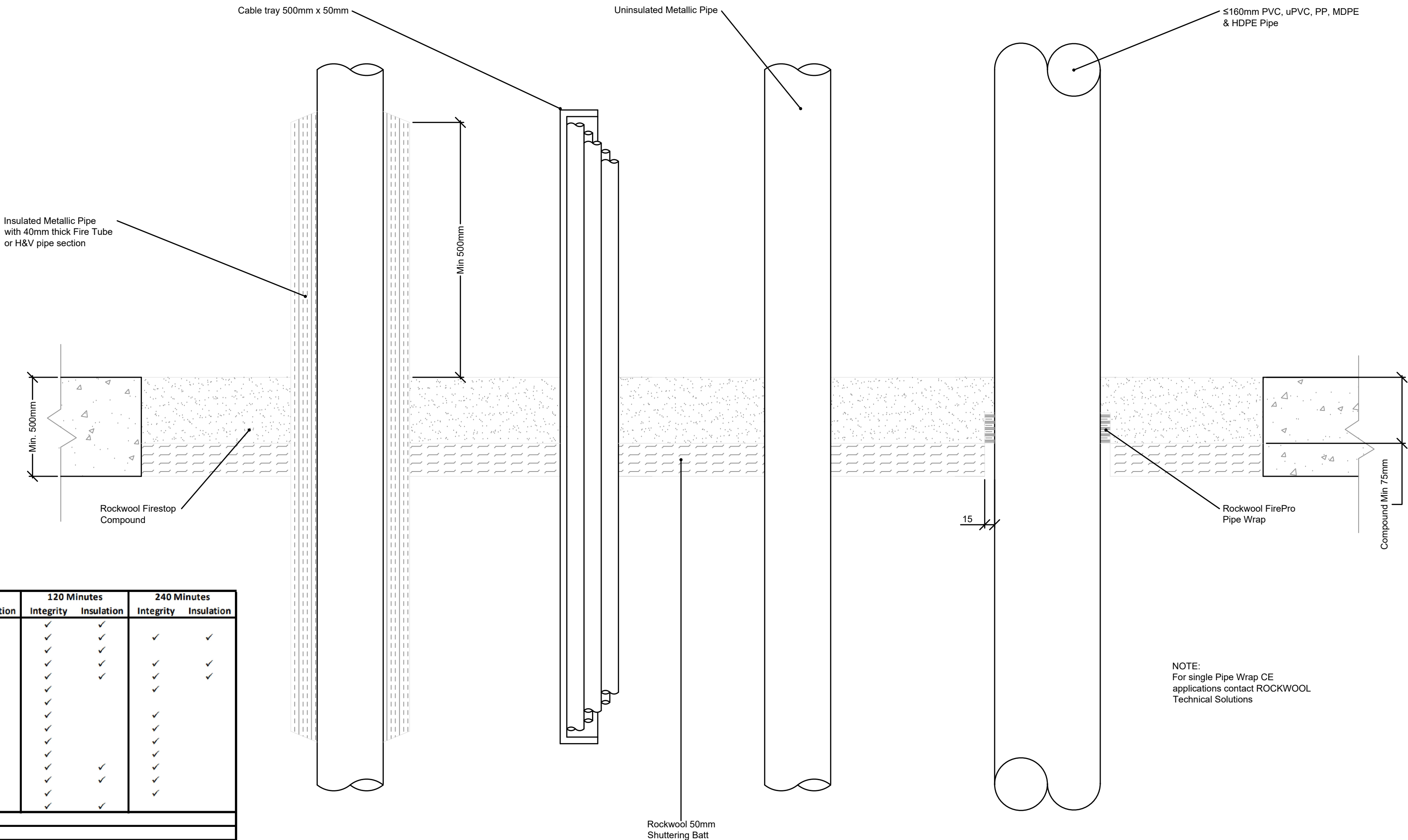
Reinforcement

Reinforcing of the compound requires either 12mm diameter bars or 40mm (high) x 60mm steel angle foxed across the short span of the aperture. The bars should be installed at 200mm centres across the aperture and may be installed such that they are recessed into the surrounding structure by minimum 50mm on both sides or supported on an steel angle securely fixed to the structure.

Steel angle reinforcement shall be installed at 250mm centres and shall be bolted back to support angle, which is fixed back to the structure. The support angle for rod or angle reinforcement shall be 50mm x 50mm x 6m and shall be securely fixed back to the structure with nominally 8mm steel anchor bolts at a maximum of 200mm centres.

In all instances the reinforcement shall be positioned approximately 30mm above the bottom surface of the compound to ensure adequate fire protection from below.

Service type	60 Minutes		90 Minutes		120 Minutes		240 Minutes	
	Integrity	Insulation	Integrity	Insulation	Integrity	Insulation	Integrity	Insulation
75mm Blank seal up to 500 mm x 500 mm*	✓	✓	✓	✓	✓	✓	✓	✓
100mm Blank seal up to 750 mm x 750 mm*	✓	✓	✓	✓	✓	✓	✓	✓
75mm Seal with services no reinforcement - 500mm x any length*	✓	✓	✓	✓	✓	✓	✓	✓
100mm Seal with services no reinforcement - 750mm x any length*	✓	✓	✓	✓	✓	✓	✓	✓
100mm Seal with services, Simply Reinforced - 1500mm x any length*	✓	✓	✓	✓	✓	✓	✓	✓
Cable Tray ≤500mm x 50mm	✓	✓	✓	✓	✓	✓	✓	✓
Bunched cables ≤100 mm	✓	✓	✓	✓	✓	✓	✓	✓
Electrical cables up to 21 mm	✓	✓	✓	✓	✓	✓	✓	✓
Electrical cables 21mm - 50mm	✓	✓	✓	✓	✓	✓	✓	✓
Electrical cables 51mm - 80mm	✓	✓	✓	✓	✓	✓	✓	✓
Steel pipes ≤165 Unlagged	✓	✓	✓	✓	✓	✓	✓	✓
Steel pipes ≤165 lagged with Fire Tube	✓	✓	✓	✓	✓	✓	✓	✓
Copper pipes ≤108 mm lagged with Fire Tube	✓	✓	✓	✓	✓	✓	✓	✓
Copper pipes ≤108 mm unlagged	✓	✓	✓	✓	✓	✓	✓	✓
≤160mm PVC, uPVC, PP, MDPE & HDPE pipe Rockwool Pipe Wrap	✓	✓	✓	✓	✓	✓	✓	✓
* Load bearing performance in line with BS6399 for workspaces and cupboards								
For Fire Dampers see specific standard details								



TYPICAL FIRE STOPPING DETAILS THROUGH FLOOR
Scale NTS

Drawing Details

Drawing Title: Fire Stopping Details Sheet 4 of 5

Ref: 25228-SP-XX-XX-DR-AT-504

Scale: NTS @ A1

Project Stage:
Stage 1

Client Details:
TIPPERARY ETB

All dimensions to be checked on site.

Do not scale dimensions from this drawing, use figured dimensions only.

Refer to Engineer's drawings and specification for all structural and services information.

Any discrepancies between the Architect's and Engineer's drawings to be reported to the Architect immediately.

The survey information shown on this drawing is based on a survey prepared by a third party and Spentide Ltd accept no responsibility for the accuracy or completeness of the survey

Document Record

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