



# **FIREPRO®**

# **HS FIRESTOP COMPOUND**

High strength compound for reinstating the fire performance of floor and wall constructions

HS Firestop Compound is a specially formulated gypsum-based mortar, which is mixed with water to create a workable range from stiff to pourable mix. HS Firestop Compound is also suitable for pre-casting into convenient size blocks for use in wall openings.

- Unsupported spans of up to 1800mm
- High load bearing capacity
- Suitable for use with multiple service penetrations
- Can be formed into blocks
- Acoustic barrier
- Effective smoke seal
- Rapid setting



# FIREPRO® HS FIRESTOP COMPOUND



## APPLICATIONS

- Re-instating the fire resistance of wall and floor constructions
- Load-bearing floors
- Wall penetrations
- Load-bearing seals around unsupported fire dampers

# FIREPRO® HS FIRESTOP COMPOUND

## PERFORMANCE

### Fire performance

HS Firestop Compound has been independently tested for use in walls and floors.

HS Firestop Compound has been certified by UL and CE marked to EAD 350454-00-1104.

Use the links below to access further information on fire performance:

[UL-EU Certificate - UL-EU-01149-CPR >](#)

[ETA 21/0777 >](#)

[Certificate of constancy of performance - 2531-CPR-CXO10261 >](#)

[Fire stopping standard details pack >](#)

Plastic pipework must be protected with either ROCKWOOL Firestop Pipe Collars or Intumescent Pipe Wraps. For further advice on specific applications and fire performance, please contact ROCKWOOL Technical Solutions on 01656 868590 or [technical.solutions@rockwool.com](mailto:technical.solutions@rockwool.com)

### Acoustic performance

Thickness of compound (mm)	$R_w (C;C_v)$ - Specimen only
50	49 (0;-4) dB
100	52 (0;-3) dB

For specific information on acoustic performance please contact ROCKWOOL Technical Solutions on 01656 868490 or [technical.solutions@rockwool.co.uk](mailto:technical.solutions@rockwool.co.uk)

### Load bearing capability

HS Firestop Compound in floor spans of up to 1800mm without the need for further reinforcement. For further information on the load bearing capacity of HS Firestop Compound, please contact ROCKWOOL Technical Solutions.

## PRODUCT INFORMATION

Property	Description
Description	Grey coloured free flowing powder
Pack Size	20kg bag
Density	1750-1900kg/m <sup>3</sup>
Loadbearing	2.5KN/m <sup>2</sup> UDL
Fire Resistance	Up to 4 hours*
Acoustic Performance	Rw 57dB (100mm Depth)
Max Unsupported Span	1800mm
Thermal Conductivity	0.45W/mK
Setting Expansion (%)	0.1
Typical Yield	±6bags/m <sup>2</sup> at 100mm depth
Expected Shelf Life	6 months (When stored in accordance with the packaging instructions)

\*Subject to the application

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## STANDARDS AND APPROVALS

Certificate
FIREPRO® HS Firestop Compound has been tested for resistance in accordance with BS 476 Part 20 and EN 1366-3.
HS Firestop Compound has been classified as EI 120 in accordance with EN 13501-2
Third party certification through UL, Certificate No. UL-EU-01149-CPR
CE marked to EAD 350454-00-1104



This product has been authorised for use in LUL surface and sub-surface premises when installed in accordance with this datasheet - please refer to the LUL Approved Product Register website [www.LU-apr.co.uk](http://www.LU-apr.co.uk) for specific details.

## INSTALLATION

### Mixing

HS Firestop Compound can be mixed preferably by mechanical paddle or manually, if required. Measure out the correct amount of clean water into a clean container to achieve the desired consistency. Avoid any cross-contamination with part-cured and new mixes as this can accelerate curing times.

HS Firestop Compound: water ratio  
Pourable Mix ratio of 3 - 3Vz:1  
Trowel Mix ratio of 4:1

Gradually add the HS Firestop Compound, stirring continually. Continue mixing until the compound is mixed to a smooth, even consistency. \*Any spillage should be wiped up with a damp cloth before setting occurs. Mix only enough material sufficient for use within the recommended pot life (20-30 minutes). Pot life and set times will be reduced for lower water content and higher temperatures.

*\*HS Firestop Compound may stain pipes and services*

Installation should not be carried out when temperatures are above 35°C. Setting times are normally between 30 and 90 minutes.

**Warning:** Do not attempt to extend working time by remixing with additional water once the mortar has started to set, as this will interfere with the setting process. Always mix in clean buckets.

Fit a shuttering board to the bottom of the opening. Shuttering materials must be able to support the wet weight of the compound under pouring conditions. Pour HS Firestop Compound to the required 100mm thickness.

### General installation requirements

Ensure that the aperture and services in question are tested with HS Firestop Compound, and the site conditions are within the application specification.

All services and apertures need to be clean and clear of all dust and loose particles. The aperture temperature needs to be at 5°C or above at time of installation. Plastic pipework must be protected with either ROCKWOOL Firestop Pipe Collars or Intumescent Pipe Wraps.

Upon installation make sure that you install the HS Firestop Compound to the recommended ratio for the aperture you are installing, make sure that you fill the full depth in a single pour to create a solid structure. Apply a minimum depth of 100mm in a single pour to achieve loadbearing capabilities.

Once filled, smooth off the HS Firestop Compound to produce a professional finish.



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## Wall openings (Figure 1)

For small holes and gaps, trowel a stiff mix into the opening to the correct depth. For larger holes, use an appropriate non-combustible shuttering material to support the mix until it sets, or, if a fair faced finish is required to both sides, consider using a sandwich construction. Alternatively, the HS Firesop Compound may be pre-cast into convenient sized blocks, a stiff mix being used as a bedding mortar. All combustible services (Plastic Pipes etc.) should have a ROCKWOOL tested fire rated closure device/material fitted prior to the pouring of the HS Firestop Compound.

## Floor openings (Figure 2)

When sealing holes in floor slabs, appropriate shuttering must be installed, cut to fit tightly around any services within the opening, to support the wet mix until it sets. Non-combustible shuttering materials, such as mineral fibre slab, can be left in place, but combustible materials must be removed, after the mix has set. For complex penetrations it may be preferable to initially form a thin seal around all services with a nominal 5mm layer of the HS Firestop Compound mix. Once this has set, the remaining depth of seal should be poured in one operation. All combustible services (Plastic Pipes etc.) should have a tested fire rated closure device/material fitted prior to the pouring of the HS Firestop Compound.



Figure 1

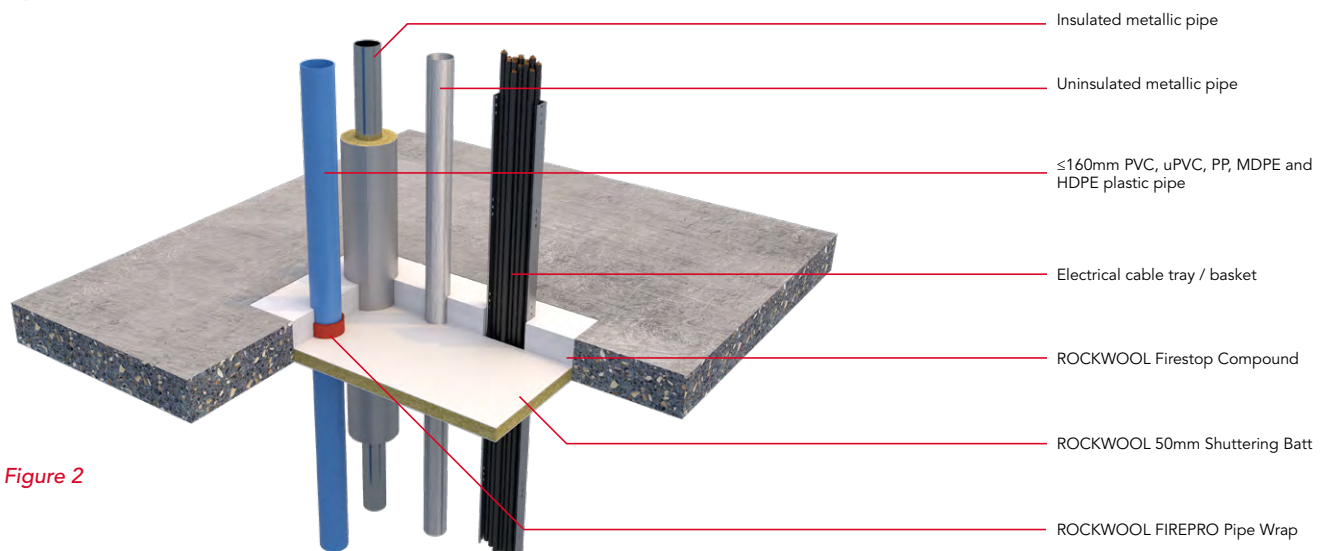


Figure 2

## SPECIFICATION CLAUSES

ROCKWOOL Firestop Compound is associated with the following NBS clauses:

P12 Fire stopping systems

340 Boards – Intumescent Mortar

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## DISCLAIMERS

ROCKWOOL Limited, its affiliates, its agents and employees and all persons acting on its or their behalf (collectively "ROCKWOOL"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product. Usage of the information remains under the sole responsibility of the purchaser and/or user.

ROCKWOOL makes no warranty, representation or guarantee regarding the information contained in the data sheet, the suitability of the products for any particular purposes or the continuing production of any product. To the maximum extent permitted by applicable law, ROCKWOOL disclaims (i) any and all liability arising out of the application, use of any product, misuse or inability to use the product (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Information contained in this data sheet is up-to-date as at the date of issue. As ROCKWOOL Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. To the maximum extent permitted by law, ROCKWOOL Limited will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implied by law.

## SUPPORTING INFORMATION

For further information relating to any aspect of the FIREPRO range, please refer to the applicable ROCKWOOL standard details at [www.rockwool.com/uk](http://www.rockwool.com/uk) or contact the ROCKWOOL technical solution team on 01656 868490 or [technical.solutions@rockwool.com](mailto:technical.solutions@rockwool.com).

## SUSTAINABILITY

As an environmentally conscious company, ROCKWOOL promotes the sustainable production and use of insulation and is committed to a continuous process of environmental improvement.

All ROCKWOOL products provide outstanding thermal protection as well as four added benefits:



## HEALTH & SAFETY

The safety of ROCKWOOL stone wool is confirmed by current UK and Republic of Ireland health & safety regulations and EU directive 97/69/EC: ROCKWOOL fibres are not classified as a possible human carcinogen.

A Material Safety Data Sheet is available and can be downloaded from [www.rockwool.com/uk](http://www.rockwool.com/uk) to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH).

## ENVIRONMENT

Made from a renewable and plentiful naturally occurring resource, ROCKWOOL insulation saves fuel costs and energy in use and relies on trapped air for its thermal properties.

ROCKWOOL insulation does not contain (and has never contained) gases that have ozone depletion potential (ODP) or global warming potential (GWP).

ROCKWOOL is approximately 97% recyclable. For waste ROCKWOOL material that may be generated during installation or at end of life, we are happy to discuss the individual requirements of contractors and users considering returning these materials to our factory for recycling.