FIREPRO®
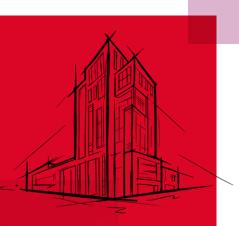# SPEEDSEAL

A fast sealing solution for small scale apertures

FIREPRO® SPEEDSEAL

Part of the comprehensive FIREPRO® range, ROCKWOOL FIREPRO® SpeedSeal is a putty-based penetration sealing solution. Quick and easy to install, FIREPRO® SpeedSeal is used to reinstate the fire resistance of flexible and rigid walls where cables and small conduits penetrate.

Tested to harmonised European Standard EN 1366-3 and proven to perform as a penetration seal offering up to 120 minutes fire resistance (E120).

Advantages

- Quick and Easy to install

- Up to E120/EI60* fire resistance

- 2 size options to suit the majority of small openings

- Ideal for refurbishment or new build

*E = Integrity
*EI = Integrity/Insulation

Description

There are many instances in buildings where single or small bunched cables and conduits will need to be positioned through compartment walls. It is important that even the smallest penetrating service is effectively fire stopped to reinstate the fire performance of the wall.

FIREPRO® SpeedSeal is a red putty-based penetration sealing solution available in 60mm and 100mm diameter discs. It has been tested in service openings 25mm x 25mm and 50mm x 50mm to seal penetrating services such as small metallic pipes, plastic pipes, cables and cable bunches.

Applications

Tested to reinstate the fire performance of rigid and flexible walls (minimum 100mm) where small cables and conduits penetrate.

Fire resistance testing to EN 1366-3 and proven to perform for up to EI 60.

Used to seal penetrations through service openings 25mm x 25mm and 50mm x 50mm.

Tested in conjunction with small/medium metallic pipes, plastic pipes, small/medium cables and cable bunches.

Can be used as a blank seal.

Performance

Fire performance

FIREPRO® SpeedSeal is specifically designed to be used around small cables, cable bunches, plastic and metallic conduits in flexible and rigid walls a minimum 100mm thickness. SpeedSeal has been proven by test to provide up to 120 minutes fire resistance (E120) around services.

60mm Diameter SpeedSeal						
Application	Service size (mm)	Service description	Aperture size (mm)	Wall type	Integrity	Insulation
Blank Seal	N/A	N/A	25 x 25	Flexible/Rigid	120	60
Cable Penetration	14	Sheathed PVC	25 x 25	Flexible/Rigid	60	45
	15	Sheathed XPR/PO			60	30
	14	Sheathed XLPE/EVA			120	60
	0-21	Electrical Cables			60	30
Medium Cables	≤ 21	Medium Sheathed PVC	25 x 25	Flexible/Rigid	120	45
	≤ 27	Medium Sheathed PVC			120	30
Conduits						
Copper	≤ 16	≥ 1.2mm wall	25 x 25	Flexible/Rigid	120	20
Steel	≤ 16	≥ 1.2mm wall	25 x 25	Flexible/Rigid	120	20
Plastic	≤ 16	PVC ≥1.0mm wall	25 x 25	Flexible/Rigid	60	60

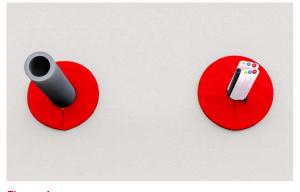| 100mm Diameter SpeedSeal						
Application	Service size (mm)	Service description	Aperture size (mm)	Wall type	Integrity	Insulation
Blank Seal	N/A	N/A	50 x 50	Flexible/Rigid	60	60
Cable Penetration	3 x 14	Sheathed PVC	50 x 50	Flexible/Rigid	60	45
	3 x 15	Sheathed XPR/PO			60	60
	3 x 14	Sheathed XLPE/EVA			60	45
	0-21	Electrical Cables			60	45
Medium Cables	≤ 21	Medium Sheathed PVC	50 x 50	Flexible/Rigid	60	45
	≤ 27	Medium Sheathed PVC			45	45
Conduits						
Copper	≤ 16	≥ 1.2mm wall	50 x 50	Flexible/Rigid	60	15
Steel	≤ 16	≥ 1.2mm wall	50 x 50	Flexible/Rigid	60	15
Plastic	≤ 16	PVC ≥1.0mm wall	50 x 50	Flexible/Rigid	60	30

Figure 1:
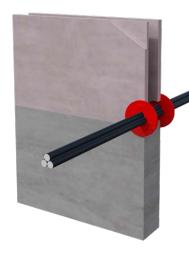SpeedSeal for sealing around conduits and electrical cables

Figure 2:
SpeedSeal for sealing around small cable bunches

Technical Information

Standards & approvals

FIREPRO® SpeedSeal has been tested to BS EN 1366-3:2009
FIREPRO® SpeedSeal has been third party accredited through Certifire

Product properties

Property	Description	Test standard
Application Temperature	>5°C	-
Thickness	4mm	
Colour	Red	
Density	1.55-1.6 g/cm^3	ISO 28111-1:2011
Fire resistance	Up to 2 hours	EN 1366-3:2009
Expected shelf life	12 months	Store in dry conditions unopened

Installation

1. Walls shall be a minimum of 100mm thickness or greater.
2. Flexible drywalls/partitions shall comprise a minimum of 2 layers of 'Type F' Gypsum board on both faces, with minimum 50mm studs.
3. Solid block, masonry, aerated concrete and concrete shall have a minimum density of 450 kg/m^3 and a minimum thickness of 100mm.
4. All walls shall have at least the same fire resistance as that required of the sealing system.
5. Services penetrating the division shall be suitably supported via steel angles, hangers or channels, no further than 400mm from the surface of the sealing system on both faces.
6. Ensure that the aperture size is within the scope of test data, maximum 25mm x 25mm for 60mm diameter and 50mm x 50mm for 100mm diameter SpeedSeal disc.
7. Check services to be treated are within scope of test data.
8. All services and apertures need to be thoroughly clean and clear of dust and loose particles.
9. Temperature to be 5°C or above.
10. To install, peel protective layer from back of disc and apply SpeedSeal around service, ensuring a close fit.
11. Install with joint facing in the downwards position where possible.
12. Press into place with slight compression to ensure a tight fit.

Specification clauses

FIREPRO® SpeedSeal is associated with the following NBS clause:

P12 Fire stopping systems

- 350 Intumescent Putty

Disclaimers

This product should only be utilised for applications as outlined in the relevant ROCKWOOL product datasheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally, the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

Supporting information

For further information relating to any aspect of the FirePro range, please refer to the applicable ROCKWOOL standard details at www.rockwool.co.uk or contact the ROCKWOOL technical solution team on 01656 868490 or technical.solutions@rockwool.co.uk.

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:

Fire resistance

Acoustic comfort

Sustainable materials

Durability

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.co.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 occuring 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.

Interested?

For further information, contact the Technical Solutions Team on 01656 868490 or email technical.solutions@rockwool.co.uk

Visit www.rockwool.co.uk to view our complete range of products and services.

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The ROCKWOOL Trademark

ROCKWOOL® - our trademark

The ROCKWOOL trademark was initially registered in Denmark as a logo mark back in 1936. In 1937, it was accompanied with a word mark registration; a registration which is now extended to more than 60 countries around the word.

The ROCKWOOL trademark is one of the largest assets in the ROCKWOOL Group, and thus well protected and defended by us throughout the world.

If you require permission to use the ROCKWOOL logo for your business, advertising or promotion. You must apply for a Trade Mark Usage Agreement. To apply, write to: marketcom@rockwool.com.

Trademarks

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ROCKWOOL®

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HARDROCK®

ROCKFLOOR®

FLEXI®

BEAMCLAD®

FIREPRO®

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