



Description

PS Coating is an ablative brushable coating used to apply to uncoated stonewool boards to reinstate the fire resistance performance of wall and floor constructions where apertures are penetrated by single or multiple services.

Application / Use

- Applied to uncoated stone wool boards
- To reinstate fire resistance through Rigid Floors
- Be used with Uncoated board for finishing
- To reinstate fire resistance through rigid and flexible walls
- Single Service penetrations
- Multi-Service penetrations
- Blank Openings

Packaging

- 5KG Pails
- 10KG Pails
- 20KG Pails

Product Details

Material	Water based acrylic sealant
Weight	~1.52g/cm ³
Finish /Colour	White, others available on request
Chemical properties/ COSHH statement	See SDS latest version is available at www.fsiltd.com or available on request from technical.fsi.uk@etexgroup.com
Size/dimensions (prod- uct & installation spacial requirement)	For penetrations seals, annular space and depth as per requirements of UL-EU 0517. For linear joint seals see requirements of UL-EU 0517
Shelf life	18 months if stored in accordance with storage conditions.
Wet film thickness	1mm
Skin Time	~40 minutes (23°C/50% r.h)
Coverage	~1.6kg /m ²
Chemical Resistance / Limitations	Not to be used where areas are to be constantly immersed in water. Do not use on substrates that are likely to release solvents, oils or plasticizers. Not resistant to water, strong acids, strong bases, oxidizing agents (i.e hydrogen peroxide), alcohols, hydrocarbon solvents.

Product Certification / Approval

CE 21
<small>FSi Ltd, Westminster Industrial Estate, Tamworth Road, Measham, DE12 7DS</small>
<small>UIC: PSC and DoP017</small>
<small>2531-CPR-CX010256 PS Coating EAD 350454-00-1104 Notified Body: 2531</small>
<small>Fire stopping and Sealing Products for Penetration Seals, See ETA 20/1027</small>
<small>www.fsiltid.com</small>



CE Mark

UL-EU

ISO 9001

ETA-20-1027

UL-EU-00517-CPR

11378

Membership



ASFP



BASA

Testing / Classification

Standard	Description	Result
BS EN 1366-3: 2009	Fire resistance tests for service installations. Penetration seals	See UL-EU 0517 for fire resistance performance
BS EN 1026:2000	Windows and doors. Air permeability. Test method	Tested at 600 Pa (contact technical.fsi.uk@etexgroup.com for details)
BS EN ISO 10140-2:2010	Acoustics — Laboratory measurement of sound insulation of building elements	Up to 51dB (contact technical.fsi.uk@etexgroup.com for details)

Installation & Operation

FSi Ltd. recommend installation of FSi Ltd. products is carried out by 3rd party certified installers.

Adequate space and accessibility should be provided for cutting and shaping the batts, applying and tooling the sealant.

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose particles. The product does not require a primer on most common surfaces.

PS Coating has been assessed to be used in the same applications as Stopseal Batt, shown in UL-EU-00771-CPR.

Simple tools and equipment are required: • Tape measure • Brush or spraying equipment • Cartridge gun • Marker or pencil • Straight edge • Masking tape • All purpose saw • Pad saw • Pointing trowel

Friction Fit

Measure the size of the opening, relevant position and size of the services. Tape all surfaces where necessary to ensure the aesthetics of PS Coating. Draw these details onto the Uncoated board and cut out using a saw or knife.

Using a trowel or brush apply a thick layer of PS coating to all areas of contact around the opening and services (where Pyropro HPE is to be installed around the service PS coating should not be applied here). Apply a similar thickness of PS coating to the cut uncoated board. Fit the cut uncoated board into the opening, ensuring a tight friction fit. Push the uncoated board firmly into the opening using the flat of the hand.

Continue the above procedure to fill the opening ensuring that a layer of PS Coating is applied to all areas of contact between the boards. The seal should be made up from as few pieces of Uncoated board as practicable. Any small gaps in the seal left when all cut pieces have been installed should be tightly packed with off -cuts and coated with PS Coating.

A layer of PS Coating should be applied to all areas of uncoated board to correct thickness. Remove any masking and dispose of waste materials.

Pattress Fit (Face fit)

Measure the size of the opening, relevant position and size of the services. Tape all surfaces where necessary to ensure the aesthetics of PS Coating. Cut the Uncoated board larger than opening so that an overlap on to substrate can be achieved in line with UL-EU 0517. Draw penetration service details onto the Uncoated board and cut out using a saw or knife.

Using a trowel or brush apply a thick layer of PS Coating to all areas of contact around the opening and services (where Pyropro HPE is to be installed around the service PS Coating should not be applied here). Apply a similar thickness of PS Coating to the cut Uncoated board.

Installation & Operation

Position the Batt over the aperture ensuring required overlap is achieved and mechanically fix to substrate using suitable and tested fixings at prescribed maximum centres.

Continue the above procedure to fill the opening ensuring that a layer of PS Coating is applied to all areas of contact between the boards. The seal should be made up from as few pieces of Uncoated board as practicable. Any small gaps in the seal left when all cut pieces have been installed should be tightly packed with off-cuts and coated with PS Coating.

A layer of PS Coating should be applied to all joint lines formed by piecing the seal together and all remaining areas of exposed uncoated board to the correct thickness. Remove any masking and dispose of waste materials.

Where services penetrations are present such as pipes and cables the appropriate system should be installed shown in UL-EU 0517. Combustible services will require a closure device such as PipeBloc PCP, PipeBloc EL and Pyropro HPE.

Clean all tools and application equipment with water immediately after use.

Competence records should be kept for all Individuals installing this product (s). Installations should be suitably recorded and logged.

Maintenance

Recorded inspection should be conducted in line with the maintenance and inspection schedule defined for the building/project.

These inspections should be completed and recorded by suitably competent individuals at intervals outlined in the operation and maintenance manual relevant to the building.

Ensure Safe Access and Egress when carrying out maintenance or inspection.

Where product (s) is damaged or tampered, new product should be installed in line with installation guidance.

Handling & Storage

For unopened material, store in a well-ventilated, dry, cool environment. Recommended temp ranges +5°C - +35°C. Protect against exposure to direct sunlight. Always ensure that safe manual handling procedures are followed at all times.

Disposal

Removal and disposal of cured product must be done in a way that limits, as much as possible, the formation of dust. Adequate PPE must be worn including suitable respiratory equipment in the case of insufficient ventilation.

European Waste Catalogue code: **08 01 12**

(WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS); Wastes from MFSU and removal of paint and varnish; **08 01 12** - waste paint and varnish other than those mentioned in 08 01 11 You must classify your own waste, the information given above is guidance only. Waste must be classified on a case-by-case basis.

The product is classified as non-hazardous, however, every care must be taken to avoid release to the environment. Take up liquid spill with absorbent material, dam if necessary to prevent access to water course.

Disposal of waste coating must be done according to official regulations and in accordance with a licensed collector's sorting instructions.

The product cannot currently be recycled or incinerated for energy capture. Please see SDS for more information.

Warranty

FSi Ltd. products are manufactured to rigid standards of quality. Any product which has been applied in accordance with FSi Ltd.'s written instructions and in any application recommended by FSi Ltd., but which is proved to be defective in product quality, will be replaced free of charge. No liability can be accepted for the information provided in this document although it is published in good faith and believed to be correct at time of issue. Any drawings provided are for illustrative purposes only. FSi Ltd. reserves the right to alter product specifications without prior notice, in line with our Company policy of continuous development and improvement. Changes due to new findings are possible, errors and misprints are not excluded. No liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given. FSi Ltd. have no control over the methods of installation, competence of operatives or suitability of site conditions, no warranties, expressed or implied, are intended to be given as to the actual performance of the product/system mentioned within this document.