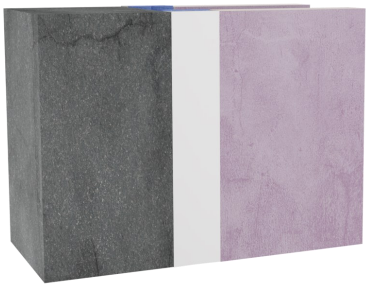
FSi Promat

Technical Data Sheet

Pyrolastic® Silicone

Fire Resistance Silicone Sealant



General description

Pyrolastic® Silicone is a fire-resistant silicone sealant. It is used to reinstate the fire resistance of wall and floor construction in linear joints and where apertures are penetrated by services. Pyrolastic® Silicone, once cured, is a permanently flexible silicone rubber.

Packaging

- 310ml cartridge - 25 cartridges per box
- 600ml foils - 15 foil packs per box

Application and use

- To reinstate fire resistance through rigid floors
- To reinstate fire resistance through rigid and flexible walls
- Linear construction joints
- Service penetrations
- Working Life - 25 Years (ETA-20/1001)

Product Details	
Material	One-part neutral curing silicone
Weight	1.38 g/cm³ nominal
Finish / Colour	White, Grey
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	For linear joint seals see requirements of UL-EU-01051-CPR.
Shelf life	12 months if stored in accordance with storage conditions
Skin Time	~ 10 minutes (23°C/50% r.h)
Chemical Resistance / Limitations	Not to be used where joints are to be constantly immersed in water. Do not use on substrates that are likely to release solvents, oils or plasticizers. Not resistant to strong acids, strong bases, oxidizing agents (i.e. hydrogen peroxide), alcohols, hydrocarbon solvents.
Flow resistance	2mm
Curing rate	3mm / 1 day (23°C/50% r.h)
Shore A Hardness (ASTM D 2240)	25
Joint movement capability (ISO 11600)	25%
Durability	Type X intended for use in conditions exposed to weathering.

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Product Certification / Approvals	
Approval	**Reference number**
ETA	ETA-20/1001
CE Mark	2531-CPR-CXO10247
UL-EU	UL-EU-01051-CPR
Emicode	EC 1+
UAE CoC	ENCG.R38118 UL-EU-01051-CPR
UKCA	0843-CPR-1145

Testing / Classification		
Standard	**Description**	**Result**
BS EN 1366-4	Fire resistance tests for Linear joint seals	See UL-EU-01051-CPR 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)
ASTM E84	Standard Test Method for Surface Burning Characteristics of Building Materials	Contact technical.fsi.uk@ etexgroup.com for details
ASTM E2923:14	Longevity of Fire Stop Materials	
BS EN 13501-2	Fire classification of construction products and building elements	See UL-EU-01051-CPR for fire resistance performance
LEED 4.1	NC-2009 IEQc4.1 Low-Emitting Materials—Adhesives and Sealants	
BS EN ISO 10140-2:2020	Laboratory measurement of sound insulation of building elements. Measurement of airborne sound insulation	Up to 54dB achievable Contact technical.fsi.uk@ etexgroup.com for details

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Installation & Operation

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

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, although adhesion tests are recommended prior to full scale application.

Adequate space and accessibility should be provided for applying and tooling the sealant. A suitable backing material to control the sealant depth may be required, please refer to UL-EU-01051-CPR.

The joint depth should be such as to provide a minimum sealant depth required as per UL-EU-01051-CPR.

The sealant should be gunned firmly into the joint ensuring that it is in full contact with the sides of the joint. Failure to carry this out may result in poor adhesion of the sealant and ultimate failure of the joint.

Tooling of the sealant may be necessary to achieve an acceptable appearance. This is accomplished by drawing a flat tool over the surface of the sealant to produce a smooth neat finish. Tooling also compresses the sealant into the joint enhancing the adhesion to the joint sides.

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 –20°C - +30°C. Protect against exposure to direct sunlight. Always ensure that safe manual handling procedures are followed at all times.

For information and advice on the safe handling, storage and disposal of chemical products, please refer to the most recent Safety Data Sheet (SDS) available at www.promat.com/en-gb

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Disposal

Removal and disposal 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 Classification code: **07 02 17** (07 02 17 - wastes containing silicones other than those mentioned in 07 02 16)

This product contains substances that are identified as PBT/vPvB substance under REACH regulation (EC) No. 1907/2005

Disposal must be done according to official regulations.

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate. Contaminated packages should be as empty as possible. Recycle following cleaning or dispose of at an authorised site.

Please see SDS for further information

Legal Notes

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.

SKU CODES

Item code	Description	Size	Colour	Box Qty
FSM310CWFP	Pyrolastic® Silicone	310ml Cartridge	White	25
FSM310GRFP	Pyrolastic® Silicone	310ml Cartridge	Grey	25
FSM600CWFP	Pyrolastic® Silicone	600ml Foil	White	15
FSM600GRFP	Pyrolastic® Silicone	600ml Foil	Grey	15

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