



Gyproc FireStrip

Technical Datasheet

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Product Datasheet



Description

Product Description

Gyproc FireStrip is a soft extruded linear gap seal introduced for use within Gyproc partition deflection head details. When exposed to flames and heat, Gyproc FireStrip undergoes controlled expansion or intumescence reacting to form a carbonised foam. This char resists the passage of smoke and flames and helps to insulate the metal channel beneath. Gyproc FireStrip is supplied in 3.6m rolls and is simply applied by hand before fixing the Gyproframe head channel assembly to the soffit.

Applications

Gyproc FireStrip is used where the soffit shows signs of undulation or small gaps, cracks or holes appear in the substrate.

Performance

Fire performance

Gyproc FireStrip has been tested as part of Gyproc metal stud partitions, providing up to 180 minutes fire resistance in accordance with *BS476: Part 22: 1987*.

Gyproc FireStrip has a depth of 3mm, and will expand to a final thickness of between 7.5mm and 12mm in the event of a fire. The expansion load varies between 150% - 300% increase.

Please note:

In the event of a fire, smoke and fumes with very low levels of carbon monoxide and carbon dioxide will be generated.

Effect of Temperature, Storage and Shelf life

Effect of temperature

Gyproc FireStrip is unsuitable for use in areas subject to continuously damp or humid conditions and must not be used to isolate dampness. It is not suitable for use in continuous temperatures above 50°C, but can be subjected to freezing conditions without risk of damage.

Storage

Gyproc FireStrip is suitable for storage under typical site environmental conditions upto 50°C. Storage should be in shaded conditions out of direct sunlight.

Shelf life

Gyproc FireStrip, if stored correctly, has a shelf life of 18 months.

Table 1 - Reaction to fire test performance

Test	Performance
<i>BS 476: Part 6: 1989 Methods of test for fire propagation for fire products.</i>	Index of performance (I) not exceeding 12 and a sub-index (i1) not exceeding 6.
<i>BS 476: Part 7: 1997 Surface spread of flame tests for materials.</i>	Class 1

Environmental

Packaging and wastage disposal

Waste strip and packaging are not classified as 'special waste' in terms of the Control of Pollution (Special Waste) Regulations 1980 and may be disposed of by landfill tipping.

Environmental notes

Gyproc FireStrip is a blend of hydrocarbon rubbers, structuring agents and intumescent agents which are not classified as 'dangerous' in terms of the Chemicals (Hazard Information and Packaging) Regulations 1993. Gyproc FireStrip does not present any particular hazard during use, nevertheless, skin contact should be avoided.

Installation

General

It is important to observe appropriate Health and Safety legislation when working on site, i.e. protective clothing and equipment, etc. The following notes are intended as general guidance only, describing the basic sequence of installation. In practice, consideration must be given to design criteria requiring specific project solutions.

Please contact the Gyproc Technical Academy for guidance.

Health and Safety

For correct Health and Safety methods, please refer to White Book Section - Health and Safety

Installation guidance

Ensure that Gyproframe metal channels and soffits are clean. Without stretching it, unreel the self-adhesive Gyproc FireStrip applying one continuous strand along the whole length of the head channel assembly, then remove release paper. Make sure that the seal is maintained when one strand meets another, normally at the channel / head plate ends.

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Health & Safety

1. Identification of the substances / preparation and company

Gyproc FireStrip

Supplier Saint-Gobain Gyproc Emirates Industries L.L.C
ICAD 1, Mussafah
Abu Dhabi
United Arab Emirates
P.O. Box 38983

Free Phone: +971 800 GYPROC (497762)

Recommended uses: A soft extruded linear intumescent gap sealer, to maintain fire resistance. Designed to be used with Gyproc GypWall metal framed systems as part of the deflection detail.

This information reflects typical values and is not a product specification.

2. Hazards identification

THE MOST IMPORTANT HAZARDS ARE:

Not regarded as a health or environmental hazard under current legislation.

3. Composition / information on ingredients

General composition: No hazardous materials present as defined by Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP 3)

4. First aid measures

General General first aid, rest, warmth and fresh air.

Inhalation S63 - In case of accident by inhalation, remove casualty to fresh air and keep at rest.

Ingestion S62 - If swallowed, do not induce vomiting, seek medical advice immediately and show this document.

Skin contact S28 - After contact with skin, wash immediately with plenty of soap and water.

Eye Contact S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

5. Fire fighting measures

Extinguishing Media - This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

Specific Hazards - Fire or high temperatures create: Toxic gases/vapours/fumes of Carbon dioxide (CO₂). Carbon monoxide (CO).

Protective Measures in Fire - Wear self contained breathing apparatus

6. Accidental release measures

Spill Clean Up Methods - Stop leak if possible without risk. Do not contaminate water sources or sewer. Pick up with vacuum or absorbent solid, store in closed container for disposal. Avoid generation and spreading of dust. Avoid contact with skin or inhalation of spillage, dust or vapour. Wear necessary protective equipment.

7. Handling and storage

Use – Avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment. Use mechanical ventilation in case of handling which causes formation of dust.

Storage – Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

8. Exposure control / personal protection

Personal protection

Hand Use suitable protective gloves if risk of skin contact. Use thin cotton gloves inside the rubber gloves if allergy risk.

Eye If risk of splashing, wear safety goggles or face shield.

Other Wear suitable protective clothing as protection against splashing or contamination.

Hygiene Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. DO NOT SMOKE IN WORK AREA.

9. Physical and chemical properties

Appearance: Paste

Colour: White

Relative Density: 1.72

10. Stability and reactivity

Stability: Stable under normal temperature conditions.

Conditions to Avoid: Avoid excessive heat for prolonged periods of time.

Materials to Avoid: No incompatible groups noted.

Hazardous Polymerisation: Unknown.

Hazardous Decomposition Products: Fire creates - Carbon monoxide (CO). Carbon dioxide (CO₂).

11. Toxicology information

Dust may irritate respiratory system. Serious long-term effects are not known to be related to this type of product.

Particles in the eyes may cause irritation and smarting. May cause discomfort if swallowed.

12. Ecological information

Not regarded as dangerous for the environment. However, contamination of the aquatic or terrestrial environments should be avoided.

13. Disposal consideration

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

14. Transport information

Not classified as hazardous for transportation.

15. Regulatory information

Statutory Instruments: Chemicals (Hazard Information and Packaging) Regulations.

Approved Code Of Practice: Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. Other information

Risks NC - Not classified.

Safety S39/37/36 - Wear suitable protective clothing, gloves and eye/face protection.

This product should be used as directed by Gyproc. For further information consult the product data sheet or contact Technical Services.

Note to user: This Product Data Sheet does not constitute a workplace risk assessment for COSHH.

This safety data sheet was compiled using current safety information supplied by the supplier.

Gyproc reserves the right to revise product specifications without notice. The information in this document was correct to the best of our knowledge at the time of publication. It is the user's responsibility to ensure that it remains current prior to use. The information in this document is for guidance only and should not be read in isolation. Users should read and familiarize themselves with all the information contained in this document and ensure that they are fully conversant with the products and systems being used, before subsequent specification or installation.



The paper used for this brochure comes from PEFC mixed sources

Vegetable ink has been used in printing this brochure
First Edition
Literature Code: 0199-DS-022

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