gyproc
SAINT-GOBAIN

Gyproc® FireStop Sealant HP

Technical & Safety Datasheet

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PRODUCT DESCRIPTION

Gyproc Firestop Sealant HP is a high performance, fire-rated elastomeric silicone sealant with a low VOC* content, suitable for sealing interior and exterior linear joints and service penetrations in fire rated Gyproc partitions and ceiling systems. It can be used for movement or connection joints where high movement capability is required and helps prevent the passage of flammable gases and smoke on fire rated assemblies. It also stops air leaking through gaps and joints with substrates reducing the amount of noise that can travel between spaces.

**Volatile Organic Compounds*

SUBSTRATES

Can be applied to substrates such as plasterboard, metal, concrete, plastics, cement, blockwork and wood.

TYPICAL PROPERTIES

Composition	Silicone based sealant
Consistency	Smooth and pasty
Colour	Red
Skin formation	2 - 5 minutes
Tack free time	30 minutes
Drying time	48 hours
Full curing	7 days
Slump resistance	No Slump
Specific gravity	1.22 ± 0.02
Joint movement capability	± 50%
Shrinkage	Max 8% by volume
Application temperature	+5°C to + 45°C
Fire resistance (EN 1366-4)	240 minutes
Adhesion	Good to common building materials
Paintability	Not paintable

STANDARDS

ASTM C920: Standard Specification for Elastomeric Joint Sealants.

California Department of Public Health (CDPH): Standard method for testing and evaluation of Volatile Organic Compounds (VOC) emissions.

SHELF LIFE AND STORAGE

Store in a cool dry place away from direct sun light. Shelf life may be reduced if stored for prolonged periods in high humidity and high heat conditions (above 25°C). Cartons should always be stacked upright with nozzle tip pointing upwards. Do not stack cartons on their sides and never stack more than 6 cartons high. When stored correctly in their original unopened containers, Gyproc Sealant has a shelf life of 12 months from the date of manufacturing.

GUIDANCE FOR USE

Gyproc FireStop Sealant HP is supplied as a ready to use product. The product can be used with normal caulking guns.

General

It is important to observe appropriate health and safety legislation when working on site i.e. personal protective clothing and equipment, etc. The following notes are intended as general guidance only. In practice, consideration must be given to design criteria requiring specific project solutions.

Background preparation

Surfaces should be free from dust, oil and other contaminants.

Application

Ensure surface is clean, dry and free from oil, grease, dust and frost. After suitable joint preparation and masking, attach the nozzle to cartridge and cut to the required dimension. Apply acrylic sealant into the gap in a continuous operation using positive pressure. A skin will form within a maximum period of 5 minutes as the product cures. Any necessary tooling / spreading of the product should to be completed within 5 minutes of application. If masking tape is used to mark off the area, it has to be removed before skin is formed. The product cures at room temperature from the surface to the centre of the sealant. Primer is generally not required on nonporous surfaces, but may be necessary for optimal sealing of certain porous surfaces. A test placement is always recommended.

Coverage

This cartridge contains sufficient material to seal approximately 33 linear metre of joints with 3mm depth and 3mm width.

Packaging

300ml cartridge.

1. IDENTIFICATION OF THE SUBSTANCES / PREPARATION AND COMPANY

Gyproc FireStop Sealant HP

Silicone based sealant

Supplier	Saint Gobain Gyproc Emirates Industries L.L.C ICAD 1, Mussafah Abu Dhabi United Arab Emirates P.O. Box 38983
Free Phone:	800 GYPROC (497762)

2. COMPOSITION / INFORMATION ON INGREDIENTS

General composition: Hydroxy-terminated Dimethyl siloxane, calcium carbonate, Dimethylpolysiloxane, Amorphous fumed silica and others.

3. HAZARDS IDENTIFICATION

This product is not classified as hazardous accorind to CLP regulation and OSHA Hazard Communication Standard.

4. FIRST AID MEASURES

Eye Contact	S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advise
Skin contact	S28 – After contact with skin, wash immediately with soap and water
Ingestion	S64 - Rinse mouth thoroughly with water.
Inhalation	S63 – Remove affected person from source of contamination. Move affected person to fresh air.
General	Get medical attention if any symptoms persist.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	Use carbon dioxide, dry chemical or water spray for small fire. Use dry chemical, foam or water spray for large fire.

5.2 Special hazards arising from the substances or mixture

Exposure hazards:	In combustion emits toxic fumes.

5.3 Advice for fire fighters

Protective actions during fire fighting:	Avoid breathing fire gases or vapours. Wear self-contained breathing apparatus. Wear protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Do not discharge into drains or rivers. Prevent products from blocking drains and watercourse (Refer to section 13 Disposal Considerations). Not a hazardous substance or mixture

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Usage precautions:	Provide adequate ventilation. Avoid direct contact with the substance. Avoid contact with skin, eyes and clothing. Wear protective clothing as described in Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in cool, well ventilated area. Keep container tightly closed. Store in original containers between 5°C and 25°C.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits	Amorphous fumed silica : 10mg/m³ (ACGIH/ TLV), 6mg/m³(OSHA/PEL), n/a (STEL)

8.2 Exposure controls

Engineering measures	Provide adequate ventilation
Respiratory	Use in a well ventilated area. Where practicable use engineering methods to control dust levels. Respiratory protection should be worn if a risk assessment indicates inhalation of contaminants is possible
Skin	Wear appropriate clothing to protect against repeated or prolonged skin contact
Eye	If there is a risk of material entering the eye, wear eye protection to BS EN 166

9. PHYSICAL AND CHEMICAL PROPERTIES

State	Paste
Colour	Red
Odour	Fungus smell
Evaporation rate	Moderate
Solubility in water	Insoluble. Also soluble in most organic solvents
Viscosity	Highly viscous
Specific gravity	1.22 ± 0.02
pH	n/a

10. STABILITY AND REACTIVITY

10.1 Chemical stability

Stability:	Stable under normal conditions.

10.2 Possibility of hazardous reactions

Possibility of hazardous reactions::	No potentially hazardous reactions known.

10.3 Condition to avoid

Condition to avoid:	Heat, moist air and humidity.

10.4 Incompatible materials

Materials to avoid:	Strong oxidizing agents. Strong acids.

11. TOXICOLOGY INFORMATION

Toxicity values:	Carcinogen: No Teratogens: No Mutagens: No Reproductive toxins: No Sensitizer product releases MEKO, which is a potential skin sensitizer. Component Toxicology Information Methyl Ethyl Ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

<u>Symptoms / routes of exposure</u>

Skin contact:	May cause mild irritation during contact.
Eye contact:	May cause irritation and redness.

Ingestion: May cause soreness and redness of the mouth and throat.

Inhalation: May cause irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

12. ECOLOGICAL INFORMATION

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

13. DISPOSAL CONSIDERATION

Disposal at an authorized landfill site in accordance to local regulation.

14. TRANSPORT INFORMATION

Not classified as hazardous for transportation.

15. REGULATORY INFORMATION

Not applicable.

16. OTHER INFORMATION

Abu Dhabi Environment, Health and Safety Management System Regulations Framework (ADEHSMS)

Gyproc Middle East Whitebook

Gyproc Middle East website: www.gyproc.ae

Note to user:

This Safety Datasheet does not constitute a workplace risk assessment for COSHH.

There are a number of situations where the approach to manual handling of Gyproc products should be considered. For further guidance, please refer to the Manual Handling Section of the Middle East WHITE BOOK, available to download from www.gyproc.ae

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