

Gyproc Sealant

Technical & Safety Datasheet



Gyproc Sealant

Technical Datasheet

Product Description

Gyproc Sealant is a ready-to-use, water based, low VOC* sealant. It is easy to apply and efficiently seals internal and external joints between construction parts subject to moderate stress. Can be applied to porous substrates such as plasterboard, metal, concrete, plastics, cement, block work and wood. It cures at room temperature at ambient humidity conditions and requires no surface pre-treatment or primer in most surfaces. Gyproc Sealant is available in 255ml cartridges.

*Volatile organic compounds

Applications

Suitable for sealing joints; between walls and ceilings, in blockwork (where only low movement is expected), around door and window frames, ventilation grills and for sealing duct holes.

Typical Properties

Composition	Water based Acrylic dispersion and fillers
Consistency	Smooth and pasty
Colour	White
Skin formation	5-10 minutes
Handling dry	24 hours
Full curing	7 days
Specific gravity	1.63
Slump resistance	No slump
Minimum joint width	6 mm
Shrinkage	15 % maximum
Adhesion	Good to common building materials
Paintability	Can be painted over with all normal decorative type paints.

STANDARDS

ASTM C834 : Standard Specification for Latex Sealants.

STORAGE AND SHELF LIFE

Storage and shelf life

Store in cool dry place and away from direct sun light. Do not allow to freeze.

Gyproc Sealant has a shelf life of 18 months from the date of manufacturing if stored in original unopened container. In places where high heat and humidity are present, special precautions must be taken. Store product in a covered, well ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity condition may reduce shelf life by around 30%.

GUIDANCE FOR USE

Gyproc Sealant 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 10 minutes as the product cures. Any necessary tooling / spreading of the product should 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 non-porous 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 18 linear metre of joints at a bead diameter of 4mm.



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Health & Safety Datasheet

1. Identification of the substances / preparation and company

Gyproc Sealant

Water based acrylic dispersion and fillers

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: vinyl copolymer emulsion, calcium carbonate, water, other non-hazardous ingredients.

3. Hazards identification

This product is not classified as dangerous according to CHIP.

Direct contact with uncured sealant irritates eyes and may irritate skin.
Over exposure to vapour may irritate nose and throat.

4. First aid measures

Eye Contact Wash eyes with clean water for 15 minutes.

Skin contact Wash thoroughly with soap and water.

Ingestion DO NOT INDUCE VOMITING. Rinse out mouth thoroughly
and give plenty of water.

Inhalation If irritation occurs, remove person to fresh air.

General Get medical attention if any symptoms persist.

5. Fire fighting measures

In-cartridge wet product unlikely to catch fire. Dried product however may catch fire. Water spray, carbon dioxide or foam can be effectively used to extinguish fire.

6. Accidental release measures

Prevent products from blocking drains and watercourse. (Refer to section 13 Disposal Considerations).

7. Handling and storage

Manual handling – Cartons of Gyproc Sealant can be unwieldy. Use appropriate lifting technique. Cartons should be stacked upright with nozzle tip pointing upwards. Dont stack cartons on their sides. Never stack cartons more than 8m high.

Storage – Keep only in the original container. Keep container tightly closed in a cool, well ventilated place. Store at ambient temperatures below 35°C. Protect from freezing and direct sunlight.

8. Exposure control / personal protection

Personal protection

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

Colour : White or cream

Odour : Acrylic

pH : Slightly alkaline (pH9)

Solubility in Water : Disperse in water

10. Stability and reactivity

No special physical conditions need to be avoided or restrictions regarding incompatible materials

11. Toxicology information

No known toxicological effects.

12. Ecological information

Stable product with no known adverse environmental effects.

13. Disposal consideration

Disposal at an authorized landfill site in accordance to regulation by department of environment.

14. Transport information

Not classified as hazardous for transportation.

15. Regulatory information

Not applicable.

16. Other information

Regulation no. 1004 Soild Hazardous materials 1st Edition January 2010

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

The Gyproc website: www.gyproc.ae

The Middle East WHITE BOOK

Note to user:

This Product Data Sheet 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 which can be downloaded from www.gyproc.ae.



Saint-Gobain Gyproc Middle East FZE
P.O.Box.261107, Dubai, UAE

Tel: +971 (4) 814 3666

Saint-Gobain Gyproc Emirates Industries LLC
P.O. Box 38983, ICAD 1, Mussafah, Abu Dhabi, UAE

www.gyproc.ae

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