

Gyproc ThermaLine BASIC

Safety Data Sheet

Health & Safety

1. Identification of the substances / preparation and company

1.1 Product identifier: Gyproc ThermaLine BASIC

1.2 Relevant identified uses:

Gyproc thermal laminates are used as thermal or sound insulating internal linings in buildings.

1.3 Details of the supplier of the safety data sheet:

Supplier British Gypsum
East Leake
Loughborough
Leicestershire
LE12 6HX

Telephone 0115 945 6123
Email bgtechnical.enquiries@bpb.com

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

1.4 Emergency telephone number:

0115 945 6123 (+44 115 945 6123)

Opening hours: 8:30am - 5:00pm Monday - Friday (GMT)

(NB) - Language of the phone service is English.

2. Hazards identification

2.1 Classification of the substance or mixture:

Dust from mixing or sanding may irritate the respiratory system, skin and eyes.

The plasterboard component of this product poses no hazard in normal use or in fire.

Where substantial Expanded Polystyrene (EPS) dust is likely to be produced suitable dust extraction should be provided to ensure that exposure does not exceed the Occupational Exposure Limit for total inhalable dust.

EPS and EPS dust is organic and therefore combustible - Keep away from all sources of heat and ignition.

When EPS is subjected to a constant heat of 230°C and above, EPS emits inflammable vapours which will easily and quickly ignite.

EPS melts at high temperature and molten droplets may cause skin burns.

3. Composition / information on ingredients

General composition: Calcium sulphate dihydrate encased in paper liners with a thermal laminate bonded to the back. Natural plasterboard constituents may include clay and minor amounts of quartz. Small quantities of chopped glass fibre, microsilica and vermiculite may be added, with starch, foam and dispersants.

Gyproc ThermaLine BASIC includes an expanded polystyrene insulant.

EPS may contain residual minimal amounts of Pentane expansion agent. Pentane gas is classed as highly flammable.

Component name	Content range	CAS No
Pentane	(W/W) <1%	109-66-0
Iso Pentane	(W/W) <1%	78-78-4

4. First aid measures

4.1 Description of first aid measures:

Eye contact P305/P313 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin contact P264 - After contact with skin, wash immediately with plenty of soap and water.

Ingestion P331 - If swallowed, do not induce vomiting, seek medical advice immediately and show this document.

P301/P330 - If swallowed rinse mouth with water (only if the person is conscious).

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Inhalation P304/P340 - In case of accident by inhalation, remove casualty to fresh air and keep at rest.

General Get medical attention if any symptoms persist.

EPS: Fire, inhalation of smoke or fumes: Remove the subject from exposure into fresh air. Keep subject warm and at rest. If rapid recovery does not occur obtain immediate medical attention.

5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media – water, foam, carbon dioxide or dry powder.

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products from EPS may include carbon monoxide, carbon dioxide, and styrene monomer. Hydrogen bromide may also be released from fire retardant grades. If it is necessary to summons the Fire Services for assistance please advise them that expanded polystyrene (EPS) is involved and self contained breathing apparatus with full face mask and breathing apparatus must be worn.

Some packaging materials may burn.

6. Accidental release measures

Not applicable.

7. Handling and storage

7.1 Precautions for safe handling:

Use – Minimise dust generation when sawing or sanding in poorly ventilated places. Avoid eye contact - see Section 8 for recommended personal protective equipment and Section 3 for hazards identification.

Plasterboards will not support body weight between rafters, joints or frame members.

Manual handling – Sheets of plasterboard can be unwieldy, use an appropriate lifting technique. The weight of each sheet can vary between products. For manual handling purposes assume the following:

Gyproc ThermaLine BASIC weights

Board thickness mm	Board width mm	Board length mm	Board weight kg	Pallet weight tonnes
22	1200	2400	19.8	0.8
30	1200	2400	20.2	0.6
40	1200	2400	21.2	0.4

(NB) - All weights are approximate.

Mechanical handling – The dimensions of the pallet vary depending on the product size. To avoid potentially overloading a lift truck, it is important that any effect on load centres is considered. The nominal weight of each palletised load is given within the weights table in this section of this document.

7.2 Conditions for safe storage, including any incompatibilities:

Storage – Store on pallets supplied in dry conditions. To maintain stability, place pallets on firm level ground, and ensure that stacks are both level and vertical.

(NB) - When working with individual boards, only work from a single pallet, not a stack.

EPS material should be sited so in the event of a fire; flowing or dripping material will not cause the spread of fire to other combustible materials or to other areas of a building, in particular store away from staircases and corridors and such that emergency exit can be maintained. Ensure EPS is stored away from all ignition sources including exposed overhead lighting / heating etc.

Individual storage areas of EPS should not contain more than 60 cubic metres (about 1 tonne) of material. If a greater volume needs to be stored it should be divided into 2 or more areas at least 20 metres apart.

Store EPS away from inflammables such as paint or petroleum or any waste product that may spread fire or ignite spontaneously.

Care should be taken to avoid EPS coming into contact with aromatic solvents, oils, and materials such as coal tar, pitch and creosote.

Pallet stacking heights

The maximum stack heights on level concrete on level concrete floors and vertical stacks are as follows:

Board width mm	Board length mm	Pallet stack height packs
1200	2400	6

8. Exposure control / personal protection

When cutting EPS with automatic saws or knives, static electricity may be generated which could create sparks. Such equipment, therefore, must be correctly earthed.

8.1 Control parameters:

Workplace exposure limit

Substance	Total inhalable	Respirable
Plaster	10mg/m ³ 8hr TWA	4mg/m ³ 8hr TWA
Quartz (silica)	-	0.1mg/m ³ 8hr TWA
Man Made Mineral Fibres (MIMMF)	5mg/m ³ 8hr TWA (gravimetric method)	-
EPS dust	10mg/m ³ 8hr TWA (Occupations Exposure limit for total inhalation dust)	-

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8.2 Exposure controls:

Personal protection

<u>Respiratory</u>	P284 Use only in well-ventilated areas. Wear eye / face protection. Face masks to <i>EN 149 FFP2</i> .
<u>Skin</u>	P303 Wear suitable protective clothing.
<u>Eye</u>	P305 / P313 Wear eye / face protection. Eye protection to <i>BS EN 166</i> .

9. Physical and chemical properties

EPS ignition temperature: 350°C.

9.1 Information on basic physical and chemical properties:

Appearance Flat sheet boards in different widths and thicknesses, with a square or tapered edge.

10. Stability and reactivity

10.1 Reactivity:

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

EPS is stable under normal use conditions and decomposes above 200°C.

Avoid: Heat, flames and sparks, temperatures above 80°C, strong sunlight for prolonged periods.

11. Toxicology information

11.1 Information on toxicological effects:

No known toxicological effects.

12. Ecological information

Stable product with no known adverse environmental effects.

13. Disposal consideration

13.1 Waste treatment methods:

Gypsum, the main raw material for plasterboard, is a sulphate but is classified as non-hazardous. Waste from gypsum plasterboard products is fully recyclable.

For more information contact the British Gypsum Plasterboard Recycling Service Team on 0800 633 5040 or visit the British Gypsum website at british-gypsum.com

14. Transport information

Controls against exposure of EPS to ignition sources as best practice should be enforced whilst transporting, loading and unloading operations.

15. Regulatory information

This product is not classified as hazardous.

16. Other information

Control of Substances Hazardous to Health Regulations
The Manual Handling Operations Regulations
HSE Guidance Note EH40: Workplace Exposure Limits
Gypsum Wastes - Environment Agency Information Sheet
The British Gypsum White Book
The British Gypsum Site Book
The British Gypsum website: british-gypsum.com
Note to user: This Safety Data Sheet does not constitute a workplace risk assessment for COSHH.

There are a number of situations where the approach to manual handling of British Gypsum products should be considered. For further guidance, please refer to the Manual Handling Section of the **Site Book** or the Manual Handling Guide, available to download from british-gypsum.com.

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