

Thistle X-Ray

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1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND COMPANY

Thistle X-Ray plaster finished with a final coat of Thistle Multi-Finish provides a smooth, level internal surface to walls and ceilings, giving protection from ionising radiation as an alternative to lead sheeting.

The plaster has been tested by the National Radiological Protection Board.

Manufacturer British Gypsum Limited
Head Office
East Leake
Loughborough
Leics. LE12 6HX

Telephone 08705 456123

2 COMPOSITION/INFORMATION OF INGREDIENTS

General Composition:- barium sulphate and calcium sulphate hemihydrate, with a small quantity of retarder. Natural constituents include small amounts of limestone and quartz. In addition, Thistle X-Ray contains a small quantity of a water retention agent.

Note: Small amounts of material relate to quantities up to 5% w/w. The lead content is up to a maximum of 0.05% w/w

3 HAZARDS IDENTIFICATION

Plaster may produce an alkaline solution on contact with body moistures or when mixed with water, which may cause irritation or inflammation.

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

4 FIRST AID MEASURES

Inhalation	Remove person to fresh air.
Skin Contact	Flush and wash with water and soap.
Eye Contact	Wash eye with clean water for 10 mins. and seek medical advice.
Ingestion	Wash mouth out and drink water. Do not induce vomiting.

Please note should any symptoms persist obtain medical assistance.

5 FIRE FIGHTING MEASURES

The products are fire resistant, but packaging may burn. May explode if heated with aluminium.

All fire extinguishers are suitable media, observing normal fire fighting procedures.

6 ACCIDENTAL RELEASE MEASURES

Control and suppress dust formation, vacuum or sweep up and shovel into bags.

Prevent plasters contaminating drains and watercourses as a powder or slurry.

Refer to section 8 - Exposure/Protection and section 13 - Disposal Considerations.

7 HANDLING AND STORAGE

Minimise and control dust when opening bags, mixing or sanding set plasters.

Avoid prolonged or repeated contact with plasters on the skin or any eye contact.

Supplied in bags, 25kg approx., on pallets. If manually handling, use correct Manual Handling techniques.

Store in dry conditions, on firm level ground and to preserve stability - do not stack pallets more than 2 high. Bags should be stored clear of the ground and protected by a waterproof store. Storage life is 4 months.

8 EXPOSURE CONTROLS/PERSONNEL PROTECTION

Occupational Exposure Limits

OES - Occupational Exposure Standards

Plaster and barium sulphate dust	Total Inhalable	10mg/m ³ 8hr TWA
	Respirable	4mg/m ³ 8hr TWA

MEL - Maximum Exposure Limit

Quartz (Silica)	Respirable	0.3mg/m ³ 8hr TWA
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Refer to current edition of HSE EH40 - Occupational exposure limits.

Note, control of dust to the OES for plaster should avoid exceeding other exposure limits.

Personal Protection

Respiratory	Control dust formation and ventilate the area of work. If dust can not be controlled wear a half face mask to EN 149 Class FFP1.
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Skin	To avoid prolonged or repeated wet contact, wear impermeable gloves. To avoid skin contact, wear protective overalls and footwear. To reduce the effect of skin contact, apply a barrier cream to the hands.
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Eye	If plaster powder or splashes are likely wear safety goggles to BS EN 166.
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9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Particulate.
Appearance	Pale brown or grey powder.
Odour	Odourless.
PH	As wet plaster mix – 10-11

10 STABILITY AND REACTIVITY

Stable and unreactive.

11 TOXICOLOGICAL INFORMATION

Inhalation	Plaster dust may irritate respiratory system, no known long term effects.
Skin Contact	Plaster powder may dry skin, leading to irritation, if contact is prolonged or skin is sensitive. Wet plasters or powders in contact with body moisture may irritate as a low alkaline solution is produced.
Eye Contact	Plaster or wet mix splashes may irritate by particulate or alkalinity and must be washed out immediately to reduce immediate discomfort and any possibility of long term damage.
Ingestion	Small amounts of plaster or wet mix should not cause any significant reaction or long term effect.

12 ECOLOGICAL INFORMATION

Mobility	Soluble in water, forms a solution and solidifies.
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13 DISPOSAL CONSIDERATIONS

Dispose at an authorised landfill site in accordance with the Waste Management Licensing Regulations 1994.

14 TRANSPORT INFORMATION

Not classified as hazardous for transport.

15 REGULATORY INFORMATION

Not classified as hazardous under the Chemicals (Hazard, Information and Packaging for Supply) (Amendment) Regulations 2000 (CHIP 2000).

This Safety Data Sheet is prepared in accordance with the Approved Code of Practice - L62 "Safety data sheets for substances and preparations dangerous for supply" (2nd Edition).

16 OTHER INFORMATION

Sources of key data used to compile Safety Data Sheet:

The Control of Substances Hazardous to Health Regulations 1999 (COSHH).

Health & Safety Executive Guidance Note EH40 Occupational Exposure Limits (current edition).

Recommended uses - Thistle X-Ray Resistant Plaster is used to provide a smooth, level internal surface to walls and ceilings, giving protection from ionising radiation as an alternative to lead sheeting.

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

No warranty is hereby expressed or implied.

Note to User

This Safety Data Sheet does not constitute the users own workplace risk assessment, which is required under COSHH (The Control of Substances Hazardous to Health) Regulations 1999.

Gypframe, Gyproc, Glasroc, Thistle, Arteco and Rawl are all registered trade names of BPB United Kingdom Limited. Isowool is a registered trade name of British Gypsum-Isover Ltd, a joint venture between the insulation division of British Gypsum and Isover Saint-Gobain.

British Gypsum reserves the right to revise product specification without notice. The information given is correct to the best of our knowledge at the time of publication, but it is the users responsibility to ensure it remains current prior to use.

The enclosed information should not be read in isolation as it is meant only as guidance for the customer, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of a job. We advise that you read and familiarise yourself with all the information contained in this literature prior to the commencement of the work or specification. For further details refer to our Health and Safe Handling Data Sheet which is available on request.

For a comprehensive and up to date library of information visit our website at: www.british-gypsum.bpb.com

Technical enquiries

British Gypsum Limited
Drywall Academy Advice Centre
East Leake
Loughborough
Leicestershire LE12 6JT

Telephone: 08705 456123

Followed by #1 (Literature), #2 (Specifiers),
#3 (Merchants), #4 (Contractors)

Fax: 08705 456356

E-mail: bgtechnical.enquiries@bpb.com

Training enquiries 08702 406040



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