

Gyproc Easi-Fill 45

Product data sheet

Introduction

Overview

Lightweight plasterboard joint filler and finish, formulated for easy mixing and sanding, and consistent setting time. May also be used for many other internal adhesive and filling applications.

Applications

Gyproc Easi-Fill 45 is used for all stages of plasterboard jointing, for pre-filling gaps and holes and for fixing of

beads. It has very low shrinkage, allowing a finished joint to be achieved in only two applications, the second of which can be applied after only 70 minutes. Note that it should not be used over an earlier coat of an air-drying product such as Gyproc Joint Cement. Gyproc Easi-Fill 45 should not be used for jointing of Glasroc MultiBoard or FireCase s.

Standards

Gyproc Easi-Fill 45 complies with *EN 13963 type 3B*, and is manufactured under a quality system independently audited and certified as conforming with *ISO 9001: 2000*.

Performance

Fire resistance

Most fire-rated British Gypsum systems require the board joints to be filled, either with Gyproc jointing materials or Thistle finish plasters, even in locations where the system is not visible to building users, in order to achieve the tested performance. Gyproc Easi-Fill 45 is suitable for this purpose.

Effect of temperature

Ambient and background temperature must be maintained above 2°C until fully dry. Dry, bagged product is not affected by low temperatures. Once fully set and dry, Gyproc Easi-Fill 45 is only suitable for situations where the temperature does not exceed 49°C.

Effect of condensation and other moisture

Gyproc Easi-Fill 45 should be protected from continuous exposure to moisture. Prolonged or repeated exposure to moisture may cause a loss of strength and/or adhesion.

Coverage

Jointing system	Reinforcement	Taping coat kg/100 lm	First finish coat kg/100 lm	Second finish coat kg/100 lm	Third finish coat kg/100 lm
Flat joint (tapered edge - hand applied)	Paper tape / fibre tape	12 (JF)	6 (JC)	6 (JC)	–
		12 (JF)	6 (JF)	6 (JC)	–
		12 (JC)	6 (JC)	6 (JC)	–
		9 (EF)	5 (EF)	–	–
Flat joint (tapered edge - mechanical)	Paper tape	6 (JC)	6 (JC)	6 (JC)	3 (JC)
Flat joint (square edge)	Paper tape	3 (JC)	12 (JC)	–	–
External angle	Corner tape	22 (JF)	9 (JC)	9 (JC)	–
		22 (JF)	9 (JF)	9 (JC)	–
		18 (EF)	9 (EF)	–	–
External angle	Metal bead	34 (JF)	9 (JC)	9 (JC)	–
		34 (JF)	9 (JF)	9 (JC)	–
		28 (EF)	12 (EF)	–	–
Internal angle	Paper tape	12 (JF)	8 (JC)	8 (JC)	–
		12 (JF)	8 (JF)	8 (JC)	–
		12 (JC)	8 (JC)	8 (JC)	–
		10 (EF)	5 (EF)	–	–

Notes to table

JF - Gyproc Joint Filler **JC** - Gyproc Joint Cement **EF** - Gyproc Easi-Fill / Gyproc Easi-Fill 45

1. These quantities should be used as a guide only – quantities used will vary depending on tools used and accuracy of board alignment.
2. Material used for pre-filling gaps, repairing damage, screw-spotting etc is not included.
3. When using a ready mix joint cement in place of powder, assume 1 litre is equivalent to 0.85kg of powder joint cement.
4. An allowance for waste and material sanded away should be added as appropriate.
5. External angle reinforcements should be fixed using a setting product – Gyproc Joint Filler or Gyproc Easi-Fill / Gyproc Easi-Fill 45, except Glasroc MultiBoard and Glasroc FireCase s.

Performance (continued)

Setting time

Mixture is workable for approx 45 minutes, and sets gradually – recoatable after 70 minutes. Setting times vary slightly with changes in ambient temperature and water content. Full strength is only achieved when the product is completely dry, hence adequate ventilation must be provided, particularly where other wet materials are also present.

Water requirement

Approximately 7 litres of water per 10kg bag.

Minimum temperature

Ambient and background temperature must be maintained above 2°C until fully dry.

Pallet quantity

80 x 10kg bags = 800kg

Installation

Background preparation

Plasterboard surfaces should be reasonably dry, clean and protected from the weather. Boards should be securely fixed with no steps between adjacent boards. The correct fixings must be used and properly located with their heads just below the liner surface. Any protruding screw heads should be driven home with a hand screwdriver, prior to spotting and jointing. Gaps between boards greater than 3mm should be pre-filled prior to taping with Gyproc Joint Tape.

Storage

Bags should be stored dry, as absorption of water shortens the setting time, causes set lumps to form in the bags and may reduce the strength of the set product. If storing on a concrete floor, dry timber platforms should be provided. Gyproc Easi-Fill 45 stored correctly has a shelf life of 6 months and bags are marked with the 'use by:' date in order to permit use in strict rotation.

Mixing

The powder should be added gradually to clean water in a clean mixing vessel, stirring continuously until a smooth creamy consistency is achieved. Excessive mechanical mixing should be avoided, and only low-speed mixers used. Once the material starts to set it must be used quickly or discarded, it cannot be remixed. Contamination from previous mixes can shorten the setting time and reduce the strength of the product when set.

Application

Apply Gyproc Easi-Fill 45 to the joint to embed the tape and immediately overcoat to fully fill the tapered board edges and just feather out onto the board surface. Allow to set – minimum 70 minutes – then apply the finishing coat, feathered out beyond the first. Procedures for finishing angle joints, screw spotting etc are similar - please refer to the British Gypsum SITE BOOK for full details.

Finishing

After the finishing coat has dried, sand lightly to remove trowel marks etc. Apply Gyproc Drywall Primer to the whole surface to prepare the surface for painting, or Gyproc Drywall Sealer in one coat to prepare for wallpapering or two coats to provide a vapour check.

Decoration

Apply decoration with the minimum of delay after Gyproc Drywall Primer or Gyproc Drywall Sealer has dried. Note that, as with all wall and ceiling areas, gloss or high-sheen finishes will highlight any variations of the surface, particularly with shallow-angle lighting. The use of low-sheen or matt finishes minimises this risk. Jointing should be carried out under similar lighting conditions to those used for subsequent inspection and use.

Heavy, semi-rigid or impermeable wallcoverings may involve specialist adhesives or techniques which may not be compatible with Gyproc Drywall Primer or Gyproc Drywall Sealer. Consult the wallcovering and/or adhesive manufacturer for a specific recommendation. Impermeable wallcoverings fixed with water-based adhesives should not be applied over Gyproc Drywall Sealer, as the drying of the adhesive will be severely restricted.

Maintenance

If the product is correctly applied and not exposed to moisture or mechanical damage, it should not require any form of maintenance.

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Product data sheet

Health & Safety

1. Identification of the substances / preparation and company

Gyproc Easi-Fill 45

Supplier British Gypsum Limited
East Leake
Loughborough
Leicestershire
LE12 6HX

Telephone 08705 456123

Recommended uses: Gyproc jointing material used with Gyproc plasterboard and plasterboard laminates and Gyproc Cove and Cornice products.

2. Composition / information on ingredients

General composition: Calcium sulphate hemihydrate and limestone, natural constituents may include minor amounts of quartz. Also contains small amounts of polymer binders, aggregates and perlite.

3. Hazards identification

THE MOST IMPORTANT HAZARDS ARE:

This product is not classified as dangerous according to CHIP.

Product may form an alkaline solution on contact with body moistures or when mixed with water.

4. First aid measures

Eye contact Wash eyes with clean water.

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

The product does not pose a fire hazard. However, packaging materials may burn.

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

6. Accidental release measures

Avoid creating dust – see Section 8 Exposure control/ personal protection for recommended personal protective equipment.

Product can be mixed with water, avoid eye contact or prolonged, repeated contact with skin – see Section 3 Hazards identification.

Prevent product from contaminating drains.

7. Handling and storage

Use – Minimise dust generation when opening bags, mixing or sanding products in poorly ventilated places. Avoid eye contact or prolonged or repeated contact with skin – see Section 8 Exposure control/ personal protection and Section 3 Hazards identification.

Manual handling – Supplied in bags of 10kg – use appropriate lifting technique.

Mechanical handling – In order to maintain the stability of the palletised load, it is important that the lift truck fork length and centres are set to correctly support the load.

Storage – Store in dry conditions. All powdered products can settle in transport. To maintain stability, place pallets on firm level ground. Do not stack more than one lift high.

8. Exposure control / personal protection

Workplace exposure limit

Substance	Total inhalable	Respirable
Calcium Sulphate Hemihydrate	10mg/m ³ (8hr TWA)	4mg/m ³ 8hr TWA
Perlite	10mg/m ³ (8hr TWA)	4mg/m ³ 8hr TWA
Quartz (silica)	–	0.1mg/m ³ (8hr TWA)

Personal protection

Respiratory Use in a well ventilated area. Where practicable use engineering methods to control dust levels. If the exposure standards could be exceeded use a disposable face mask complying with EN 149 FFP2

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

Health & Safety (continued)**9. Physical and chemical properties**

Appearance Dry powder

Odour Odourless

pH 6 - 10

10. Stability and reactivity

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

11. Toxicology information

Inhalation Dust may irritate the respirable system. No known long term effects.

Skin contact Wet product may form an alkaline solution and irritate the skin. Dry powder can cause irritation.

Eye contact Wet product may form an alkaline solution and irritate the eye. Dry powder can cause irritation.

Ingestion Small quantities of product should not cause any significant reaction or long term effect.

12. Ecological information

Slightly soluble in water, forms a suspension and solidifies.

13. Disposal consideration

Wastes from gypsum products are normally classified as 'non-hazardous' but should not be co-disposed with municipal waste. Dispose at an authorised landfill site in accordance with the Waste Management Licensing Regulations (see Section 16 – Other information).

14. Transport information

Not classified as hazardous for transportation.

15. Regulatory information

Not classified under the CHIP regulations.

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

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 British Gypsum products should be considered. For further guidance, please refer to the Manual Handling Section of the SITE BOOK, available to download from www.british-gypsum.com

Date of previous version: First edition.

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

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FM 52358

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