

Gyproc ProMix LITE

Product data sheet

Introduction

Overview

Gyproc ProMix LITE is a lightweight ready mixed air-drying jointing material for all stages of plasterboard jointing, formulated for excellent workability and easy sanding.

Applications

Gyproc ProMix LITE can be used for all stages of hand or mechanical jointing of plasterboard, Glasroc MultiBoard, Glasroc FireCase s and Glasroc Rigidur. Also suitable for spray application using suitable airless spraying equipment.

Standards

Gyproc ProMix LITE complies with *EN 13963 type 3A*, 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 ProMix LITE is suitable for this purpose.

Effect of temperature

Ambient and background temperature must be maintained above 10°C until fully dry. Unused product in tubs must be protected from freezing. The Gyproc plasterboard background is suitable for situations where the temperature does not exceed 49°C.

Effect of condensation and other moisture

Gyproc ProMix LITE 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)

Water requirement

See Installation - 'Mixing', later.

Minimum temperature

Ambient and background temperature must be maintained above 10°C until fully dry.

Pallet quantity

36 x 17 litre tubs, weighing approx 860kg.

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 using Gyproc Joint Filler, Gyproc Easi-Fill or Gyproc Easi-Fill 45, prior to taping with Gyproc Joint Tape.

Storage

Pallets of tubs should not have other materials stacked on top. The product should be maintained between 5°C and 30°C. Tubs are marked with the 'use by:' date in order to permit use in strict rotation.

Mixing

Gyproc ProMix 1111 is supplied ready mixed with water, at a consistency suitable for hand application. Open the tub by cutting the lip of the lid where indicated, using tin snips. Stir before use, then dilute only if necessary and using no more than 1 litre per bucket. Excessive dilution increases shrinkage and drying times, and reduces strength. Excessive mechanical mixing should be avoided, and only low-speed mixers used. Once opened, material may be stored in the tub and used over a week, if protected from drying out or contamination by other materials.

Application

If using Gyproc ProMix 1111 for all stages, apply 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 completely dry, then apply a final coat, feathered out beyond the second. If using as the finishing coat over Gyproc Joint Filler or Gyproc Easi-Fill, the procedure is similar with the exception that the Joint Filler/Easi-Fill can be overcoated when it has set but not dried. Procedure 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. 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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Health & Safety

1. Identification of the substances / preparation and company

Gyproc ProMix LITE

Supplier British Gypsum Limited
East Leake
Loughborough
Leicestershire
LE12 6HX

Telephone 08705 456123

Recommended use: Jointing material for plasterboards.

2. Composition / information on ingredients

General composition: Gyproc ProMix LITE is based on limestone (Calcium Carbonate) with Mica, Talc, Perlite and Crystalline silica (quartz). It is supplied in a ready-to-use form, mixed with water.

3. Hazards identification

THE MOST IMPORTANT HAZARDS ARE:

This product is not classified as dangerous according to CHIP.

Prolonged exposure to dust containing mica and/or talc can cause respiratory irritation.

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

Contain spillages and clean up into a suitable container for disposal. Do not wash into drains as it may cause a blockage. Please refer to **Section 8** Exposure control/ personal protection, and **Section 13** Disposal consideration.

Prevent Gyproc ProMix LITE from contaminating drains.

7. Handling and storage

Use – Do not stack pallets or place other materials on top of pallets of Gyproc ProMix LITE. Keep containers dry and prevent from freezing. Do not puncture containers. Keep sealed when not in use.

Manual handling – Supplied in tubs of 17 litres (weighing approximately 24kg) – 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 frost-free conditions. 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 Carbonate	10mg/m ³ (8hr TWA)	4mg/m ³ (8hr TWA)
Mica powder	10mg/m ³ (8hr TWA)	0.8mg/m ³ 8hr TWA
Talc	–	1mg/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**

<u>Appearance</u>	Grey paste
<u>Odour</u>	Mild
<u>pH</u>	7 - 9
<u>Solubility</u>	Slight
<u>Freezing point</u>	-4°C
<u>% volatile (weight)</u>	20 - 45

10. Stability and reactivity

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

11. Toxicology information

<u>Inhalation</u>	Dust may irritate the respirable system. No known long term effects
<u>Skin contact</u>	Prolonged contact can cause irritation and may lead to dermatitis.
<u>Eye contact</u>	Powder or splashes may irritate by particulate in the short term.
<u>Ingestion</u>	Small quantities of product should not cause any significant reaction or long term effect.

12. Ecological information

Gyproc ProMix ure is stable and there is no hazardous decomposition or by-products.

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
Chemical Hazard Alert Notice No. 35 - crystalline silica
The Manual Handling Operations Regulations
HSE Guidance Note EH40: Workplace Exposure Limits
HSE Guidance Note EH44: Dust in the Workplace.
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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British Gypsum reserves the right to revise product specifications without notice. The information in this document was correct to the best of our knowledge at the time of publication. It is the user's responsibility to ensure that it remains current prior to use. The information in this document is for guidance only and should not be read in isolation. Users should read and familiarise themselves with all the information contained in this document and ensure that they are fully conversant with the products and systems being used, before subsequent specification or installation.

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

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