



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 F MULTIBOARD or Glasroc F FIRECASE.

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: 2008*.

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

- These quantities should be used as a guide only – quantities used will vary depending on tools used and accuracy of board alignment.
- Material used for pre-filling gaps, repairing damage, screw-spotting etc is not included.
- When using a ready mix joint cement in place of powder, assume 1 litre is equivalent to 0.85kg of powder joint cement.
- An allowance for waste and material sanded away should be added as appropriate.
- 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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