



# Gyproc ProSet

## Product Data Sheet

### Introduction

#### Overview

Gyproc ProSet is a versatile lightweight setting joint compound for use with drywall systems all year round. It is ideal for the colder damper winter months, where traditional “air-drying” compounds can stay wet and soft several days meaning potential long time delays in-between coats.

Gyproc ProSet is a combined setting and air-drying gypsum-based material for bulk filling and finishing of joints. It has been specifically designed to offer a high coverage rate combined with minimal drying shrinkage. The product is easy to mix, apply and sand and is part of a range of products offering different setting and workability times depending on their use.

#### Applications

Ideal for filling and finishing joints this product has a useable

working time of approx. eight hours. Subsequent coats can be applied after the previous coat has set, but not dried allowing a job of jointing to be finished quicker. As the material lasts for up to eight hours once mixed, the need for constant mixing is greatly reduced.

As it is a long setting compound it is ideal for use with \*Gyproc SpeedTape quick release pump and finishing boxes or by hand. Lightweight fillers it gives the material excellent workability and minimal shrinkage.

Gyproc ProSet should not be used over previous applied air-drying products such as Gyproc Joint Cement or Gyproc ProMix **LITE**

\* Always ensure equipment and tools are thoroughly cleaned before re-use.

Note: Not intended for use on Glasroc **MULTIBOARD** and Glasroc **FIRECASE S**.

#### General product information

Product	Bag size	Water required	Workable time	Setting time
Gyproc ProSet	17.5kg	10.5 litres	Approx. up to 8 hours	Approx. 10 - 12 hours

\* Coverage is dependent on background and thickness of application and details above should be used only as a guide.

### Installation

#### Background preparation

Plasterboard surfaces should be dry, clean, free from dust and grease and protected from the weather. Boards should be fixed according to the manufacturers recommendations and there should be no steps between adjoining boards. Gaps that are greater than 3mm should be pre-filled using Gyproc ProSet or Gyproc Joint filler products. Always use the correct fixings and ensure that any screw heads are just below the liner surface before spotting and jointing.

Please refer to **WHITE BOOK** or **SITE BOOK** Section N14 - Jointing.

#### Mixing

Gyproc ProSet is pre-mixed powder and only needs to be added to clean water to prepare it for use. Simply put clean cold water into a clean bucket and add the powder to it stirring continuously until a smooth creamy consistency is achieved. Leave to stand for 10 minutes. After the material has been left for the prescribed time re-stir to a creamy consistency. Excess mechanical mixing should be avoided as this can often affect the performance of the material. Tools and water used in the mixing process must be clean. Once the material starts to set (becomes cheesy) it must be used quickly or discarded, it cannot be remixed.

**DO NOT** mix with any other materials and always use clean buckets as contamination from previous mixes can shorten the setting time and reduce the strength of the product when set.

#### General application

In-fill any gaps along board joints before applying a band of material approx. 100mm wide over the joints. Centre some Gyproc Joint Tape over the joint and embed with a jointing knife. Remove excess compound from joint and use it to cover over the joint tape leaving the joint approx. 150mm – 250mm wide.

Allow the first coat to set before applying the second coat. Mix up a fresh batch of material following the same mixing process as before, this time cover the whole area ensuring that the edges are feathered at least 50mm beyond the first coat. This means the joints should be 250mm – 350mm wide. For butt / end joints the method is the same however the finished joint should be approx. 600mm in width.

If using the material as a finishing coat over Gyproc Joint Filler, the process is the same: apply the Gyproc Joint filler and when it has set, but not dried apply the coat of Gyproc ProSet. Gyproc ProSet is specially formulated to air-dry as well as set making it an ideal material for many applications. Dependant

## Installation (continued)

on the type of installation, Gyproc ProSet may be used in two applications as a filler and finish, it may be over-coated with

air-drying Gyproc Joint compounds. Please refer to [WHITE BOOK](#) or [SITE BOOK](#) Section N14- Jointing.

## Finishing

### 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 (T/E - hand-applied)	Paper tape / fibre tape	12 (JF)	6 (JC)	6 (JC)	-
		12 (JF)	6 (JF)	6 (JC)	-
		12 (JC)	6 (JC)	6 (JC)	-
		12.5 (PML)	6 (PML)	6 (PML)	-
		9 (EF)	6 (EF)	-	-
		10 (GP)	6 (GP)	-	-
Flat joint (T/E - mechanical)	Paper tape	6 (JC)	6 (JC)	6 (JC)	3 (JC)
		6.5 (PML)	6.5 (PML)	6.5 (PML)	3.5 (PML)
		5 (GP)	5 (GP)	4.5 (GP)	-
Flat joint (S/E)	Paper tape	3 (JC)	12 (JC)	-	-
		3.5 (PML)	12.5 (PML)	-	-
		5 (GP)	10 (GP)	-	-
External angle	Corner tape	22 (JF)	9 (JC)	9 (JC)	-
		22 (JF)	9 (JF)	9 (JC)	-
		18 (EF)	9 (EF)	-	-
		18 (GP)	9 (GP)	-	-
External angle	Metal bead	34 (JF)	9 (JC)	9 (JC)	-
		34 (JF)	9 (JF)	9 (JC)	-
		34 (JF)	13 (GP)	-	-
		28 (EF)	12 (GP)	-	-
Internal angle	Paper tape	12 (JF)	8 (JC)	8 (JC)	-
		12 (JF)	8 (JF)	8 (JC)	-
		12 (JC)	8 (JC)	8 (JC)	-
		12.5 (PML)	6.5 (PML)	6.5 (PML)	-
		10 (EF)	5 (EF)	-	-
		10 (GP)	5 (GP)	-	-

### Notes to table

JF - Gyproc Joint Filler JC - Gyproc Powdered Joint Cement  
GP - Gyproc ProSet PML – Gyproc ProMix Lite  
EF - Gyproc Easi-Fill / Gyproc Easi-Fill 45 / Gyproc Easi-Fill 20

**1** - Quantities supplied should be used as guide only as they will vary depending on the 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 Gyproc Ready Mix Joint Cement in place of powder, assume that 1 litre is equivalent to 0.85Kg of Gyproc Powdered Joint Cement.

**4** - An allowance for waste and material sanded away should be added as appropriate.

**5** - External angle reinforcement (except when Glasroc **MULTIBOARD** and Glasroc **FIRECASE 5** is used) should be fixed using a setting product like Gyproc Joint Filler, Gyproc ProSet or Gyproc Easi-Fill / Gyproc Easi-Fill 45 / Gyproc Easi-Fill 20

## Finishing (continued)

### Drying

Whilst Gyproc ProSet is a setting compound it will air-dry as well as chemically set if conditions allow it, i.e. in warmer months. Atmospheric conditions will determine how quickly the material will take to dry so in colder / damper months the addition on heat may assist in speeding up the process.

### Decoration

Once the material has dried it can be lightly sanded to remove any trowel marks, etc ensure the surface is then dusted down. Apply decoration with the minimum of delay after the application of 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 wall covering and / or adhesive manufacturer for a specific recommendation. Impermeable wall coverings fixed with water-based adhesives should not be applied over Gyproc Drywall Sealer, as the drying of the adhesive will be severely restricted.

Vinyl or other low-permeability wall coverings can restrict drying of water-based adhesives. This combination should, therefore, not be applied direct to plasterboard treated with Gyproc Drywall Sealer. The use of specialist adhesives, for example with cloth backed or solid vinyl wall covering, may result in damage to the plasterboard surface during subsequent stripping. If the use of such adhesives is necessary, consideration should be given to cross-lining with lining paper before applying the wall covering. The use of low-sheen or matt finishes minimises this risk. For the correct specification in respect of any applied decorative material, reference should be made to the manufacturer of that material.

Always allow the material to have completely dried out before attempting to paint and follow the paint manufacturer's instructions for the painting of porous surfaces.

## Conditions

Effect of condensation and other moisture: Gyproc ProSet should be protected from continuous exposure to moisture and frost. Prolonged or repeated exposure to both of these may cause a loss of strength and / or adhesion.

**Tiling:** Tiles of up to 20kg/m<sup>2</sup> can be applied directly to the Thistle finish except where the system includes a bonding agent. As the total weight of tiles and plaster applied over a bonding agent is limited to 20kg/m<sup>2</sup>, consideration should be given to tiling directly to the background. When plastering to provide a background for tiles, avoid 'polishing' the finished surface. Polished finished surfaces should be roughened and a suitable primer used.

**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 ProSet is suitable for this purpose.

**Effect of temperature:** Ambient and background temperature must be maintained above 5°C until fully dry. Dry, bagged product is not affected by low temperatures. Once fully set and dry, Gyproc ProSet is only suitable for situations where the temperature does not exceed 49°C.

### 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 ProSet

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 and a batch number for manufacturing traceability.

### Standards

Gyproc ProSet complies with **EN 13963 type 3B**, and is manufactured under a Quality Management System independently audited and certified as conforming with **ISO 9001:2008** (certificate no: **FM 504548**).

### Manual handling

It is important to observe appropriate Health and Safety legislation when working on site, e.g. protective clothing and equipment, etc. In practice, consideration must be given to design criteria requiring specific project solutions. Gyproc ProSet should always be carried using correct manual handling techniques and safe systems of work appropriate to the size and length of the product. Some of these guidelines are summarised below and overleaf. For further guidance, please refer to the Manual Handling section of the British Gypsum **SITE BOOK** and the British Gypsum Manual Handling Guide. Both can be downloaded from **www.british-gypsum.com** or can be obtained by calling the British Gypsum Drywall Academy Advice Centre on 0844 800 1991.

- Whenever possible, place one foot in front of the other to produce a good base and reduce the pressure on the body.
- Assess the load by placing your hand on it and moving.
- Only handle what you feel you can manage.

## Conditions (continued)

- Initiate movements with your legs, unlocking the knees and driving with the legs to start the lift.
- Keep the load as close to your body as possible when lifting or handling.
- Turn instead of twisting and move your feet.
- Let your back find its natural curvature.

### Loading and unloading pallets

- Always wear safety shoes.
- Always place one foot forward by operating from the corner of the pallet or placing one foot on the pallet taking care to ensure that the pallet does not tip in the process.
- Unlock the knees for low level work.
- Take a firm grip of the load with both hands.
- Lift using the legs to start the movement.
- Turn by moving the feet.

### Application and installation

- Always work in a balanced position.
- Operate with one foot forward.
- Keep the body upright.
- Always use appropriate platforms where necessary.

### General notes

In practice, consideration must be given to design criteria requiring specific project solutions. Please contact the British Gypsum Drywall Academy Advice Centre for further guidance on 0844 800 1991 or at [bgtechnical.enquiries@bpb.com](mailto:bgtechnical.enquiries@bpb.com)

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For a comprehensive and up-to-date library of information visit the British Gypsum website at: [www.british-gypsum.com](http://www.british-gypsum.com)

**Telephone: 0844 800 1991**

**Fax: 0844 561 8816**

**Email: [bgtechnical.enquiries@bpb.com](mailto:bgtechnical.enquiries@bpb.com)**

**Training enquiries: 0844 561 8810**



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