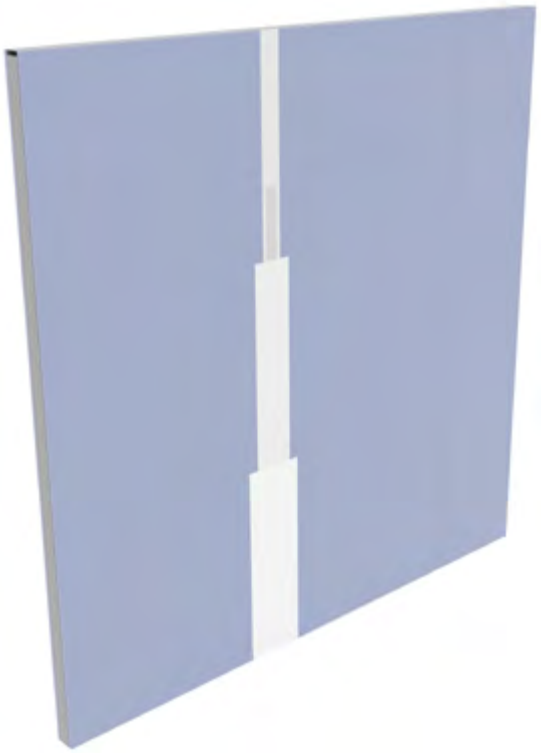
Jointing

For durable joint reinforcement and smooth finishing

Jointing

Gyproc Jointing Compound and accessories produce durable joint reinforcement and a smooth, continuous and crack-resistant surface ready for priming and final decoration. They also seal the lining, a prerequisite if the building element is to achieve specified levels of fire resistance and sound insulation. The jointing process normally involves three application stages; bedding the tape and bulk filling the joint, secondary filling to take up shrinkage and finishing.



Key Benefits

- Produces a seamless surface ready for decoration
- Suitable for wet area applications
- Ready-mixed for ease of application
- Improves site productivity

Eligible for the SpecSure warranty from Gyproc

System components

Fixing and finishing products

Gyproc Jointing Compound
Air-drying, asbestos free, ready mixed compound for filling and finishing plasterboard joints and corner beads

Levelline Flex
Drywall corner which flexes to any inside or outside corner angle. Perfect partition corners, ceiling bulkheads and any obtuse angles. Available in a 30m roll

Gyproc Paper Tape
Designed for reinforcing flat joints when finishing plasterboard joints providing improved resistance against cracking

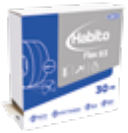
Rigitone ReadyMix Set
Jointing kit specially designed for the installation of Rigitone boards. It contains a jointing pistol, two ReadyMix adaptors, a nozzle, a multi-purpose brush, a nozzle cleaning brush, a scraper and a screw head template.

Gyproc Fibre Tape
Suitable for flat joint reinforcement

Rigitone Mix 600ml
Rigitone Mix is a ready filler for Rigitone perforated panel joints. It forms part of the Rigitone Ready Mix Set and is used in the Joint Filling Technique

Glasroc X Tape
Suitable for internal and semi-exposed applications when used in conjunction with Glasroc X, MR and M2TECH range of boards

Rigitone Installation Kit
Installation aid to ensure the boards are properly aligned. Should be selected as per the board perforation



Habito Flex 83
Drywall corner fitting every angle, with a structural laminate system giving a strong structural bond. Available in a 30m roll

Gypframe metal products

Gyproc Drywall Corner Bead
Provides corner reinforcement and protection to plasterboards and plasters

Gyproc Drywall Metal Edge Bead
A galvanised steel channel used to protect plasterboard edges and to form a defined edge commonly used around window reveals

Installation overview

Apply Gyproc Jointing Compound to the board joints and internal corners.

Bed Gyproc or Glasroc X joint tape firmly into the jointing compound.

Trowel apply a second coat of jointing compound feathering out beyond the previous application and spot the screws head. Allow to dry.

Trowel apply a third coat of jointing compound feathering out beyond the previous application and spot the screws head. Allow to dry.

For external corners, repeat step 1 to 4 using Habito 83 Flex, Levelline Flex or Gyproc Drywall Corner Bead for corner reinforcement. Use Gyproc Edge Bead to protect cut ends of boards.

Sand each joint application as required to achieve a smooth surface.

Design

Preparation - general
Board finishing should be completed as soon as possible after the boards have been fixed. Board 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 jointing. Gaps between boards greater than 3mm should be pre-filled using Gyproc Jointing Compound.

Gyproc plasterboards
Gyproc Paper Tape and Gyproc Glasroc X Tape are bedded into the Gyproc Jointing Compound. See Table 1. If Gyproc Fibre Tape is used, bedding is not required, but the joint compound should be pressed through the holes in the tape, particularly if there is a gap between board joints. This is important to achieve a satisfactory appearance to the finished joint. For Gyproc ceiling systems, we would recommend Gyproc Paper Tape, as tests have shown that it provides superior reistance to cracking.

Two or three applications of jointing compound are trowel applied, each feathered out beyond the previous application. An equal number of applications are made to spot screw heads. The joint treatment is sanded as necessary to achieve a smooth surface. At internal angles, Gyproc Paper Tape is creased to the angle to provide reinforcement and bedded using a knife or trowel. For reinforcement of external angles, Habito 83 Flex, Levelline Flex or Gyproc Corner bead options are available. Gyproc Edge Bead is normally used to protect cut ends of boards, e.g. at reveals.

Aquaroc FC – Fibre Cement board
Where jointing is required, e.g. direct painting, we recommend the use of a fit for purpose jointing system by others.

Jointing - Gyptone boards
Gyproc Paper Tape is bedded in Gyproc Jointing Compound to all four tapered edges and bulk-filled. When set, a finish coat of Gyproc Jointing Compound is applied to all joints. Care must be taken not to fill the perforations in the board and thereby impair the sound absorption performance. The joint treatment is lightly sanded and dusted off. A drywall primer can then be applied by roller to the entire surface ready for decoration.

Jointing - Rigitone boards
Insert the bag containing the Rigitone Mix 600ml into the Rigitone Pistol and cut off the seal. Screw the Rigitone nozzle onto the adapter, then screw the adapter tightly onto the Rigitone Pistol. Fill the joints generously and completely so that the filler just starts to exude from the reverse of the board. Slightly overfill the screw heads using the Rigitone screwhead template. Once the Rigitone Mix 600ml has begun to harden, remove any excess carefully using the Rigitone scraper and then pass the scraper back over the joints in the other direction to smooth the surface.

The joints and covered screw heads can be sanded after a minimum of 24 hours. Further finishing work may be continued once the Rigitone Mix 600ml has fully dried.

To finish a joint where the room layout or design detail has required a Rigitone board to be cut, apply Rikombi Sperre Neutral primer to all cut edges (factory edges are already primed), fill all holes falling on the joint using Rigitone Mix 600ml. Cover surrounding perforations with a suitable masking tape to avoid unwanted filling with excess joint compound. Once dry, apply a second coat to create a flush finishing. Make sure the masking tape is removed quickly. Lightly sand once dry. Remove dust from the board surface and roller apply primer (by others) to the entire surface ready for decoration. When roller applying primer and paint finishes, care should be taken to ensure primer or paint does not fill the perforations in the board, as this will impair acoustic performance.

Cleaning equipment
All equipment should be thoroughly cleaned after use. Small residual amounts of set or part-set material will accelerate the set of freshly mixed setting jointing compounds, and residues of compounds left in a wet state will be subject to microbial attack. Where using Rigitone ReadyMix Set, the Rigitone brush should be used to clean the Rigitone nozzle.

Decoration

Painting
After the jointing treatment has set and dried, and any final sanding is complete, the surface should be dusted down. A drywall primer applied by brush, roller or, except for Gyptone or Rigitone perforated boards, suitable spray equipment. The primer evens out differences in surface texture and absorption between the board and jointed areas, to create the ideal surface to receive final decoration. Its early application helps to prevent plasterboards from yellowing.

As with all wall and ceiling areas, high sheen gloss finishes will highlight variations of the surface, particularly with shallow angle lighting. 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.

Wall coverings
If primer (by others) is applied in a single coat, steam-stripping at a later date becomes a simple operation. Decoration should follow with the minimum of delay. Most paints and papers can be applied after primer has dried.

Vinyl or other low-permeable wall coverings restrict drying of water-based adhesives. This combination should, therefore, not be applied direct to plasterboard treated with primer. 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.

For the correct specification in respect of any applied decorative material, reference should be made to the manufacturer of that material.

Design (continued)

Table 1 – Combinations and coverage data (kg/100 linear metres)

Jointing system	Reinforcement	Taping coat / 1st coat	2nd coat	3rd coat
		Coverage kg / 100 linear metres		
Flat joint (tapered edge)	Gyproc and Glasroc X tapes	20	6	4
Flat joint (square edge)	Gyproc and Glasroc X tapes	22	16	4
External angle	Habito 83 Flex	16	12	4
	Levelline Flex	28	16	4
	Gyproc Drywall Corner Bead	36	20	8
	Gyproc Metal Corner Tape	28	4	4
Internal angle	Gyproc Paper Tape	24	16	4

NB Above referred coverage does not include any wastage. It is for guidance purposes only.