

Project No. 150457

Client: Council of the Isles of Scilly

Tender Issue 10/11/2017

STRIDE TREGLOWN
ARCHITECTURE

Carn Gwavel School

10 November 2017

This document includes:

Code	Section	Revision	Dated
K10	Gypsum board dry linings/ partitions/ ceilings		

K10 Gypsum board dry linings/ partitions/ ceilings

To be read with Preliminaries/ General conditions.

TYPES OF DRY LINING

- 125A METAL STUD PARTITION SYSTEM WALL TYPE IW1
- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Tel: +44 (0)844 800 1991.
 - Address: Drywall Academy, East Leake, Loughborough, Leicestershire. LE12 6HX.
 - Product reference: GypWall Classic A206261S
 - Studs:
 - Type: 92 mm Gypframe 92 S 50 'C' studs.
 - Centres: 600 mm
 - Head condition:
 - Type: Gypframe 94 C 50 Floor and Ceiling Channels.
 - Insulation: Not required
 - Linings:
 - Type: 1 x 15 mm Gyproc SoundBloc to each side.
 - Edge: Square edged.
 - Finishing:
 - Type: Skim coat Thistle Multifinish.
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
 - Accessories: Rigid beads/ stops.
 - Other requirements: None.

125B METAL STUD PARTITION SYSTEM WALL TYPE IW2

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Tel: +44 (0)844 800 1991.
 - Address: Drywall Academy, East Leake, Loughborough, Leicestershire. LE12 6HX.
 - Product reference: GypWall Classic A206264S
- Studs:
 - Type: 92 mm Gypframe 92 S 50 'C' studs.
 - Centres: 600 mm
- Head condition:
 - Type: Gypframe 94 C 50 Floor and Ceiling Channels.
- Insulation:
 - Type: Isover Modular Roll
 - Thickness: 100mm
- Linings:
 - Type: 1 x 15 mm Gyproc SoundBloc MR to each side .
 - Edge: Square edged.
- Finishing:
 - Type: Skim coat Thistle Multifinish.
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
- Accessories: Rigid beads/ stops.
- Other requirements: None.

125C METAL STUD PARTITION SYSTEM WALL TYPE IW6

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Tel: +44 (0)844 800 1991.
 - Address: Drywall Academy, East Leake, Loughborough, Leicestershire. LE12 6HX.
 - Product reference: GypWall Classic A206305S
- Studs:
 - Type: 92 mm Gypframe 92 S 50 'C' studs.
 - Centres: 600 mm
- Head condition:
 - Type: Gypframe 94 C 50 Floor and Ceiling Channels.
- Insulation:
 - Type: Isover Modular Roll
 - Thickness: 100mm
- Linings:
 - Type: 1 x 15 mm Gyproc SoundBloc F to each side .
 - Edge: Square edged.
- Finishing:
 - Type: Skim coat Thistle Multifinish.
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
- Accessories: Rigid beads/ stops.
- Other requirements: None.

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125D METAL STUD PARTITION SYSTEM WALL TYPE IW7

- **Manufacturer:** British Gypsum.
 - **Web:** www.british-gypsum.com.
 - **Email:** bgtechnical.enquiries@bpb.com.
 - **Tel:** +44 (0)844 800 1991.
 - **Address:** Drywall Academy, East Leake, Loughborough, Leicestershire. LE12 6HX.
- **Studs:**
 - **Type:** 70 mm Gypframe 70 S 50 'C' studs.
 - **Centres:** 600 mm
- **Head condition:**
 - **Type:** Gypframe 72 C 50 Floor and Ceiling Channels, fixed to ???.
- **Insulation:**
 - **Type:** Not required
- **Linings:**
 - **Type:** 1 x 15 mm Gyproc Wallboard.
 - **Edge:** Square edged.
- **Finishing:**
 - **Type:** Skim coat Thistle Multifinish.
 - **Primer/ Sealer:** As recommended by board manufacturer for vapour control.
- **Accessories:** Rigid beads/ stops.
- **Other requirements:** None.

166A WALL LINING ON METAL STUDS - WALL TYPE IW5 TO SLEEP ROOM

- Name of project: Carn Gwarvel School, Isles of Scilly.
- Drawing reference(s): 150457_11001
- Manufacturer: British Gypsum, East Leake, Loughborough, Leicestershire LE12 6HX
Website: www.british-gypsum.com, Tel: 0115 945 6123, E-Mail: bgtechnical.enquiries@bpb.com.
- British Gypsum contact: Graham Lloyd Tel 07786 337414, email graham.lloyd@bpb.com
- Product reference: GypLyner UNIVERSAL.
- Background: Plaster (13mm), Dense Blockwork wall (mass 1700kg/m3), plaster (13mm).
- Performance criteria:
 - Sound insulation: Rw 57 dB (Estimated)
 - Duty Rating to BS 5234: Parts 1 and 2: n/a.
 - Stand off (background to face of channel): 35mm.
- Framing:
 - Grid: Gypframe GL1 lining channels at 600mm centres.
 - Channel connectors: Gypframe GL3.
 - Brackets: Gypframe GL2 (75mm) at 800mm maximum centres.
 - Floor/ceiling track: Gypframe GL8.
- Installation: As clause 481A.
- Cavity insulation: 25mm Isover Acoustic Partition Roll (APR 1200).
- Recycled content: Up to 86%.
- Lining: One layer of 15mm Gyproc SoundBloc, sheet width 1200mm.
- Fixings: As clause 591A.
- Screws: 25mm British Gypsum Drywall Screws.
- Thermal sealant: As clause 331A, if required.
- Gyproc Sealant: As clause 516A.
- Finishing: 2mm Thistle Skim coat plaster (General use) as clause 681A
- Accessories: None
- Other requirements:
 - Please Note: Before altering this specification check with the design team that any proposed changes will not jeopardise the project environmental assessment rating target (BREEAM, CFSH, LEED, etc.)
 - Please Note: Before altering an ACTIVair specification check with the design team that any proposed changes will not jeopardise the project's indoor air quality performance or air quality management plan.
 - Please always refer to current literature by visiting www.british-gypsum.com

185A WALL LINING SYSTEM Wall Tpe EW2

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Tel: +44 (0)844 800 1991.
 - Address: Drywall Academy, East Leake, Loughborough, Leicestershire. LE12 6HX.
 - Product reference: DriLyner BASIC
- Parge coat: Not required.
- Adhesive method: Dabs, as clause 626A.
- Linings: 1 x 15 mm Gyproc WallBoard.
- Finishing:
 - Type: 2mm Thistle Skim coat plaster (General use) as clause 681A .
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
 - Accessories: Rigid beads/ stops.

185B WALL LINING SYSTEM Wall Tpe IW3 & IW4

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Tel: +44 (0)844 800 1991.
 - Address: Drywall Academy, East Leake, Loughborough, Leicestershire. LE12 6HX.
 - Product reference: DriLyner BASIC
- Parge coat: Not required.
- Adhesive method: Dabs, as clause 626A.
- Linings: 1 x 15 mm Gyproc WallBoard.
- Finishing:
 - Type: 2mm Thistle Skim coat plaster (General use) as clause 681A .
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
 - Accessories: Rigid beads/ stops.

205A LINING ON TIMBER Wall Type EW1

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Tel: +44 (0)844 800 1991.
 - Address: Drywall Academy, East Leake, Loughborough, Leicestershire. LE12 6HX.
 - Product reference: Timber stud (Non Loadbearing and Loadbering)
- Metal resilient (acoustic) bars: Not required.
- Linings:
 - Type: 1 x 15 mm Gyproc FireLine.
 - Fixing: British Gypsum drywall timber screws.
- Finishing:
 - Type: 2mm Thistle Skim coat plaster (General use) as clause 681A .
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
 - Accessories: Rigid beads/ stops.
- Other requirements: None.

220A PROPRIETARY SUSPENDED CEILING SYSTEM Ceiling Type C4 - Moisture Resistant to New Construction Areas

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Tel: +44 (0)844 800 1991.
 - Address: Drywall Academy, East Leake, Loughborough, Leicestershire. LE12 6HX.
 - Product reference: CasoLine MF suspended ceiling system
- Suspension system:
 - Hanger type: Gypframe MF8 strap hangers.
 - Primary grid centres: 1200 mm.
Hanger centres: 1200 mm.
 - Secondary grid centres: 450 mm.
- Linings: 12.5 mm GTEC Moisture Resistant board.
- Finishing: Skim coat plaster finish.
- Primer/ Sealer:
 - Type: As recommended by board manufacturer for vapour control.
- Accessories : Metal beads/ stops recommended by board manufacturer.
- Other requirements: Apply continuous bead GTEC sealant to all board perimeters and all wall/ceiling abutments.

245A CEILING LINING ON TIMBER Roof Type R1

- Background: Timber joists to SE detail with 25mm SW treated counter battens.
- Linings: 15mm GTEC Fireboard.
 - Fixings: In accordance with manufacturer's recommendations.
- Finishing: 2mm Thistle Skim coat plaster (General use) as clause 681A .
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
 - Accessories: Metal beads/ stops recommended by board manufacturer .
- Other requirements:
 - Fire stopping around service penetrations as section P12
 - Apply continuous bead GTEC acoustic intumescent sealant to all board perimeters and all wall/ceiling abutments..

245B CEILING LINING ON TIMBER Roof Type R2

- Background: timber joists - refer to SE detail..
- Linings: 15mm GTEC Fireboard.
 - Fixings: In accordance with manufacturer's recommendations.
- Finishing: 2mm Thistle Skim coat plaster (General use) as clause 681A .
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
- Insulation: 65mm SuperFOIL SF40 insulation over and between joists. 50mm rigid insulation between joists.
- Vapour control layer: SuperFOIL SFTV VCL under joists.
- Accessories: Metal beads/ stops recommended by board manufacturer .
- Other requirements:
 - Fire stopping around service penetrations as section P12
 - Apply continuous bead GTEC acoustic intumescent sealant to all board perimeters and all wall/ceiling abutments..

245C CEILING LINING ON TIMBER Ceiling Type C1 - To Store

- Background: 25mm timber batten to existing roof.
- Linings: 12.5 mm GTEC Wallboard.
 - Fixings: In accordance with manufacturer's recommendations.
- Finishing: 2mm Thistle Skim coat plaster (General use) as clause 681A .
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
 - Accessories: Metal beads/ stops recommended by board manufacturer .
- Other requirements: Apply continuous bead GTEC sealant to all board perimeters and all wall/ceiling abutments..

245D CEILING LINING ON EXISTING CEILING TIE Ceiling Type C2 - Generally

- Background: Existing 120mm ceiling tie.
- Linings: 12.5 mm GTEC SoundBloc board.
 - Fixings: In accordance with manufacturer's recommendations.
- Finishing: 2mm Thistle Skim coat plaster (General use) as clause 681A .
 - Primer/ Sealer: Not required.
- Insulation: 100mm insulation between ceiling ties. 170mm insulation over ceiling ties.
- Accessories: Metal beads/ stops recommended by board manufacturer .
- Other requirements: Apply continuous bead GTEC sealant to all board perimeters and all wall/ceiling abutments..

245E CEILING LINING ON EXISTING CEILING TIE Ceiling Type C3 - To Sleep Room

- Background: 25mm timber batten to existing roof.
- Linings: 15 mm GTEC SoundBloc Rapid board.
 - Fixings: In accordance with manufacturer's recommendations.
- Finishing: 2mm Thistle Skim coat plaster (General use) as clause 681A .
 - Primer/ Sealer: Not required.
- Insulation: 100mm insulation between ceiling ties. 170mm insulation over ceiling ties.
- Accessories: Metal beads/ stops recommended by board manufacturer .
- Other requirements: Apply continuous bead GTEC sealant to all board perimeters and all wall/ceiling abutments..

245F CEILING LINING ON EXISTING CEILING TIE Ceiling Type C4 - Moisture Resistant In Existing Area

- Background: Existing 120mm ceiling tie.
- Linings: 12.5 mm GTEC Moisture Resistant board.
 - Fixings: In accordance with manufacturer's recommendations.
- Finishing: 2mm Thistle Skim coat plaster (General use) as clause 681A .
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
- Insulation: 100mm insulation between ceiling ties. 170mm insulation over ceiling ties.
- Accessories: Metal beads/ stops recommended by board manufacturer .
- Other requirements: Apply continuous bead GTEC sealant to all board perimeters and all wall/ceiling abutments..

245G CEILING LINING ON EXISTING CEILING TIE Ceiling Type C5 - To Kitchen

- Background: Existing 120mm ceiling tie.
- Linings: 12.5 mm Gyproc Fireline MR board.
 - Fixings: In accordance with manufacturer's recommendations.
- Finishing: 2mm Thistle Skim coat plaster (General use) as clause 681A .
 - Primer/ Sealer: As recommended by board manufacturer for vapour control.
- Insulation: 100mm insulation between ceiling ties. 170mm insulation over ceiling ties.
- Accessories: Metal beads/ stops recommended by board manufacturer .
- Other requirements:
 - Fire stopping around service penetrations as section P12
 - Apply continuous bead GTEC acoustic intumescent sealant to all board perimeters and all wall/ceiling abutments.

256 ENCASUREMENT SYSTEM (METAL FRAMING) Steel Columns and Beams

- - Manufacturer: British Gypsum, East Leake, Loughborough, Leicestershire LE12 6HX
Website: www.british-gypsum.com, Tel: 0115 945 6123, E-Mail: bgtechnical.enquiries@bpb.com.
- Product reference: GypLyner ENCASE.
- Type: 3 or 4 sided Boxed casing as clause 491A or 491B.
 - Fire protection of complete encasement assembly to BS 476: Part 21(550oC): 60 minutes.
 - A/V (Hp/A)m-1 section factor: Up to 195.
 - Framing system: Gypframe GL1 lining channels, GL3 channel connectors, GA2 angles, and GL10 framing clips as recommended for the purpose by the board manufacturer.
 - Lining: One layer 15mm Gyproc DuraLine.
Fixing: As clause 591A.
Screws: 25mm British Gypsum Drywall Screws.
 - Finishing: 2mm Thistle Skim coat plaster (General use) as clause 681A
 - Accessories: _____
 - Other requirements:
 - Please Note: Before altering this specification check with the design team that any proposed changes will not jeopardise the project environmental assessment rating target (BREEAM, CfSH, LEED, etc.)
 - Please Note: Before altering an ACTIVair specification check with the design team that any proposed changes will not jeopardise the project's indoor air quality performance or air quality management plan.
 - Please always refer to current literature by visiting www.british-gypsum.com

GENERAL/ PREPARATION

300 ENVIRONMENT – ISO14001

- British Gypsum has ISO 14001 certification across the entire business including: mining, manufacture, distribution, and all ancillary services to support the business function.

301 ENVIRONMENT – BREEAM RATED PROJECTS

- Prior to making any amendments to British Gypsum specifications consult with the design team responsible for the project for guidance. BREEAM (or similar environmental framework) ratings may be downgraded as a result of changes to this specification.

315 EXISTING FIXTURES, SERVICES ETC

- Ensure that surface mounted pipework, conduit, cables, electrical outlets, fixtures, appliances, fixing brackets, clips, skirtings, architraves, etc., are removed from existing backgrounds which are to be lined.

325A PREPARATION OF SOLID BACKGROUNDS

- Complete all cutting, chasing, plugging and making good.
- Remove all loose material by brushing thoroughly.
- Remove all oil, grease, wallpaper, etc. by scrubbing with water and detergent. Rinse with clean water and allow to dry.
- For adhesive fixed wall linings, adjust suction of background as necessary using primers or bonding agents recommended for the purpose.

326A PARGE COATS

- Apply a continuous coat of Gyproc Soundcoat Plus at least 6mm thick to the entire surface of the background ensuring all cracked or unfilled joints are covered. Allow to set before following on with Gyproc plasterboard installation.

331A THERMAL SEALS FOR GYPROC LININGS

- Manufacturer and reference: British Gypsum, Gyproc Dri-Wall Adhesive or Gyproc Sealant.
- Before/during installation of dry lining system, fully seal all airpaths around the perimeter of the background and around structural openings and service penetrations through the background.
- Apply as a continuous fillet, leaving no gaps.

345 ADDITIONAL SUPPORTS FOR PARTITION HEADS

Provide or ensure provision of accurately positioned and securely fixed framing to receive partition heads running parallel with, but offset from main structural supports.

355 ADDITIONAL SUPPORTS FOR FIXTURES AND FITTINGS

Provide or ensure provision of accurately positioned and securely fixed framing to support fixtures, fittings and services. After fixing boards, mark positions of framing for following trades.

365 ADDITIONAL SUPPORTS FOR BOARD EDGES AND PERIMETERS

Provide or ensure provision of additional framing, accurately positioned and securely fixed, to give full support to board edges and lining perimeters in accordance with board manufacturer's recommendations.

375A NEW WET LAID BASES

Provide or ensure provision of a continuous strip of bituminous felt DPC or other approved material under partitions/freestanding wall linings, cut to the full width of the partition/lining.

385 SERVICE PENETRATIONS

- The dry lining contractor must liaise with the Main Contractor and other contractors to ensure that fire resistance and other specified performance requirements are not impaired by service penetrations.

In particular:

- Form framed openings accurately for grouped services, ducts, etc. allowing for associated fire barriers.
- Provide insulation backings to recessed electrical outlets and switches as recommended by the plasterboard manufacturer.

395A CONTROL SAMPLES

- General: Complete areas of finished work and obtain approval of appearance before proceeding.

COMPONENTS

405 PLASTERBOARD GENERALLY

- To BS EN 520: types A, H1 (Moisture Resistant), F, P, D, R or I with exposed surface and edge profiles suitable to receive the specified finish.

411 GYPSUM BOARD WITH MAT REINFORCEMENT (GLASROC F FIRECASE)

- To EN 15283: Part 1, Types GM-F & H2 (Moisture Resistant).

412 GYPSUM BOARD WITH MAT REINFORCEMENT (GLASROC F MULTIBOARD)

- a) 6mm thick to EN 15283: Part 1, Types GM-F & H1 (Moisture Resistant)
b) 10mm/ 12.5mm thick to EN 15283: Part 1, Types GM-F.

413 GYPSUM FIBRE BOARD (RIGIDUR H)

To EN 15283: Part 2, Types GF, C1, I & W2.

414 GYPSUM BOARD WITH MAT REINFORCEMENT (GLASROC H TILEBACKER)

To EN 15283: Part 1, Types GM-H1 (Moisture Resistant).

416 GYPSUM PLASTERBOARD Generally

ACTIVair Technology:

- Products:
 - Gyproc SoundBloc ACTIVair
 - Gyproc SoundBloc MR ACTIVair
 - Gyproc DuraLine ACTIVair
 - Gyproc DuraLine MR ACTIVair
 - Rigidur H ACTIVair
 - Gyptone
 - Rigitone
- Decoration: After the joint treatment or plaster skim has dried, decoration including any decorator's preparatory work should follow. Please note however that any decoration should be breathable to allow Formaldehyde and other pollutants to pass through the finish and be absorbed by the plasterboard.
Painting: Breathable paints – please consult the appropriate paint manufacturer.
Wallpaper: Use only breathable wallpapers– please consult the appropriate wallpaper manufacturer.
- Limitations: Finishes that restrict the board surface permeability e.g. Tiling, Marble and other non-breathable wall finishes, will limit the absorption of Formaldehyde and other pollutants for the area covered

INSTALLATION

436 DRY LININGS GENERALLY

- Fixing, jointing and finishing materials and accessories, where not specified otherwise, to be as recommended by the board manufacturer.
- Handle and store materials in accordance with BS 8212, section 5. Do not use damaged boards.
- Use operatives properly trained for dry lining work and who have attended a recognised training scheme.
- Fix boards only in areas which have been made weathertight. Prevent frost damage.
- Cut boards neatly and accurately without damage to core or tearing of paper facing. Keep cut edges to a minimum and position at internal angles wherever possible. Mask with bound edges of adjacent boards at external corners.
- Fix boards securely and firmly to suitably prepared and accurately levelled backgrounds. Set heads of fastenings in a depression; do not break paper or gypsum core. Finish neatly to give flush, smooth, flat surfaces free from bowing and abrupt changes of level.

445 CEILINGS

- Sequence: Fix boards to ceilings before installing dry lined walls and partitions.
- Orientation of boards: Fix with bound edges at right angles to supports and with ends staggered in adjacent rows.
- Two layer boarding: Stagger joints between layers.

455A METAL STUD FRAMING

- Install using components, accessories and methods recommended by the board manufacturer.
- Set out floor/head channels and perimeter studs to give a framework which is accurately aligned with a true vertical plane. Fix securely at all perimeters at not more than 600 mm centres.
- Position studs at equal centres to suit specified linings, maintaining sequence across openings. Provide additional studs as necessary to ensure support to all vertical edges of boards.
- Accurately form openings to receive doorsets using Gypframe metal studs and suitable timber framing or Gypframe metal studs sleeved with Gypframe channel as necessary to achieve the strength grade requirements of the framing assembly and adequately support the weight of the door.

475A METAL FURRINGS FOR WALL LININGS

- Install using components, accessories and methods recommended by the board manufacturer.
- Set out furrings vertically, at specified centres and adjacent to angles, openings, movement joints, etc. Maintain centres of furrings across openings. Bed in 200mm long dabs of adhesive at each end of furring and thereafter at 450mm centres. Bed horizontal lengths of furring to provide continuous support to top and bottom edges of boards.
- Accurately align all furrings to a true, vertical plane.
- Install additional furrings where necessary to accept junctions with partitions. Use a continuous line of adhesive to ensure there are no gaps across the cavity.

476 JUNCTIONS

- between partitions and GypLyner IWL independent wall linings: Where board linings are installed prior to partitions, install additional Gypframe I studs at each partition abutment (number of additional I studs subject to width of partition).

481A METAL FRAMING FOR GYPLYNER UNIVERSAL WALLING LINING

- Securely fix Gypframe GL8 floor/ceiling track at 600mm centres.
- Position Gypframe GL2/GL9 brackets at equal vertical centres and fix to background with Gypframe GL11 GypLyner Anchors for solid backgrounds or proprietary fixings for hollow backgrounds.
- Position Gypframe GL1 lining channels at equal centres, maintaining sequence across openings, and locate in Gypframe GL8 track at floor and ceiling. Provide additional Gypframe GL1 lining channels as necessary to ensure support to all vertical edges of boards. Fix Gypframe GL1 lining channels to Gypframe GL2/GL9 brackets using Wafer Head Screws.
- Provide additional Gypframe GL1/GL8 sections at wall abutments and corners as recommended by board manufacturer.
- Install Gypframe GFT1 Fixing T for single layer board applications, inserted between face of framework and back of plasterboard lining, or Gypframe GFS1 Fixing Strap for double layer board applications, inserted between board layers, to receive fixings at end board joints. Ensure end board joints do not coincide with Gypframe GL1 lining channel joints.

485 SUSPENDED CEILING GRIDS

- Setting out: Accurately aligned and level.
 - Grid members and hangers: Centres to suit specified linings and imposed loads.
 - Additional grid members: Provide bracing and stiffening at upstands, partition heads, access hatches, etc.
- Fixing: Securely at perimeters, grid joints, top and bottom hanger fixings.

495 MINERAL WOOL INSULATION TO METAL STUD PARTITIONS/LINGS

- Fit securely with closely butted joints, leaving no gaps. Unless the insulation is of a self supporting slab type fitted between studs, fix at head of frame using timber battens or proprietary clips.

505 INSTALLING MINERAL WOOL INSULATION

- Fitting insulation: Closely butted joints and no gaps. Use fasteners to prevent slumping or displacement.
- Services:
 - Electrical cables overlaid by insulation: Sized accordingly.
 - Ceilings: Cut insulation around electrical fittings, etc.

510 SEALING GAPS AND AIR PATHS

- Location of sealant: To perimeter abutments and around openings.
 - Pressurized shafts and ducts: At board-to-board and board-to-metal frame junctions.
- Application: To clean, dry and dust free surfaces as a continuous bead with no gaps.
 - Gaps greater than 6 mm between floor and underside of gypsum board: After sealing, fill with jointing compound.

516A ACOUSTIC SEALANT:

- Manufacturer and reference: British Gypsum, Gyproc Sealant.
- Location: At junctions with adjoining structure, and at other airpaths.
- Apply as a continuous bead to clean, dry, dust-free surfaces, leaving no gaps.
- After application of sealant, bulk fill gaps between floor and underside of plasterboard using Gyproc joint compound.

526A CAVITY BARRIERS

Maintain continuity of fire barrier formed by perimeter channels using short lengths of close fitting plasterboard screwed into the web across joints in channel sections and around service holes, except where:

- The partitions abut plasterboard linings or masonry.
- Timber sole or head plates are fitted.
- Form continuous vertical barriers using lengths of close fitting plasterboard screwed into the web of individual studs or channels.

530 CAVITY FIRE BARRIERS WITHIN PARTITIONS/ WALL LININGS

- Metal framed systems:
 - Material: Plasterboard 12.5 mm thick.
 - Installation: Form accurately and fix securely with no gaps to provide a complete barrier to smoke and flame.
- Adhesive fixed wall lining systems:
 - Material: Adhesive compound.
 - Installation: Form in a continuous line with no gaps to provide a complete barrier to smoke and flame.

551C MOVEMENT JOINTS DRYLYNER BASIC

- Manufacturer and reference: British Gypsum, Gyproc Control Joint.
 - Width of gap: 12mm
 - Fix through each flange using 13mm corrosion resistant staples at 150mm centres. Seal ends with Gyproc Sealant or acrylic caulk.
 - Support edges of plasterboard either side of joint with a continuous vertical line of adhesive dabs.

551D MOVEMENT JOINTS GYPLYNER IWL

Manufacturer and reference: British Gypsum, Gyproc Control Joint.

- Width of gap: 12mm
- Fix through each flange using 13mm corrosion resistant staples at 150mm centres. Seal ends with Gyproc Sealant or acrylic caulk.
- Support edges of plasterboard on each side of joint with Gypframe I studs.

555A FIRE STOPPING

- Seal any gaps at junctions of linings and cavity barriers with perimeter abutments, service penetrations, etc. using tightly packed stone mineral wool or fire resisting / intumescent sealant, to prevent penetration of smoke and flame.

560A JOINTS BETWEEN BOARDS

- Gyproc plasterboards: Lightly butt boards together.
 - Square edged Gyproc plasterboards to be finished with Artex textured compound: 3mm gap.
 - Glasroc F fibre reinforced gypsum boards: Lightly butt boards together.

565A VERTICAL JOINTS

Centre joints on studs. For partitions, ensure that joints on opposite sides of core are staggered.

- For two layer boarding, stagger joints between layers.

570A HORIZONTAL JOINTS

Horizontal joints will not be permitted in surfaces exposed to view except where the height of partition/lining exceeds the maximum available length of board. Agree positions of joints where not specified.

- For two layer boarding, stagger joints between layers by at least 600mm. If previous layer of plank plasterboard, stagger joints between layers by 300mm.
- Ensure that edges of boards are supported by additional framing. For two layer boarding framing must support the outer layer.

572A CEILING JOINTS

For multi-layer boarding, stagger joints between layers by at least 600mm.

591A FIXING PLASTERBOARD TO METAL SUPPORTS

- Partitions/linings/casings:
- Face layer (Plasterboard):
Fix securely to all supports at maximum 300mm centres (reduced to 200mm at external angles where recommended by the board manufacturer).
- Face layer (Habito):
Fix securely to all supports at maximum 600mm centres (reduced to 400mm at external angles where recommended by the board manufacturer).
- Previous layer of plank plasterboard: Install with long edges at right angles to studs, and fix securely to each stud using two screws.
- Other previous layers: Fix securely to supports around the perimeter of each board at maximum 300mm centres.
- Ceilings: Fix securely to all supports at maximum 230mm centres (reduced to 150mm at board ends and at lining perimeters where recommended by the board manufacturer).
- Fix working from the centre of each board. Position screws not less than 13mm from cut edges and 10mm from bound edges of boards. Set heads in a depression; do not break paper or gypsum core.

593B BOARD END SUPPORTS (GYPLYNER UNIVERSAL CEILING)

The specified GL1 lining channel centres are the maximum permitted. Closer centres may be used for some board lengths to ensure end joints are fully supported; alternatively, cut boards to a co-ordinating length.

595 DEFLECTION HEADS

- Fixing boards: Do not fix to head channels.

601A FIXING PLASTERBOARD TO METAL FURRINGS

- Apply two continuous 6mm dia. beads of Gyproc Sealant to Gypframe MF10 channels where board joints occur and one bead to all other Gypframe MF10 channels.
- Fix to Gypframe MF10 channel at each vertical board edge using three Drywall Screws, at mid-height and 600mm above and below. Where lining is to receive a ceramic finish fix using Drywall Screws at maximum 300mm centres.

610 FIXING GYPSUM BOARD TO TIMBER

- Fixing to timber: Securely at the following centres (maximum):
 - Nails: 150 mm.
 - Screws to partitions/ wall linings: 300 mm. Reduce to 200 mm at external angles.
 - Screws to ceilings: 230 mm.
- Position of nails/ screws from edges of boards (minimum):
 - Bound edges: 10 mm.
 - Cut/ unbound edges: 13 mm.
- Position of nails/ screws from edges of timber supports (minimum): 6 mm.

626A FIXING DRILYNER BASIC

- Apply dabs of Gyproc Dri-Wall Adhesive to the background for one board at a time, to achieve at least 20% contact with the surface area of the boards:
 - One row of horizontal dabs to coincide with the top edge of each board.
 - One continuous line of horizontal dabs to coincide with the bottom edge of each board.
 - One row of vertical dabs to coincide with the side edges of each board, and additional vertical row(s) at the following max centres:
 - 400mm for boards 9.5mm thick x 1200mm wide.
 - 600mm for boards 12.5mm thick x 1200mm wide.
 - 450mm for boards 9.5mm thick x 900mm wide.
 - 450mm for boards 12.5mm thick x 900mm wide.
 - Ensure dabs are at least 25mm from board edges.
 - For linings to receive ceramic finishes, apply one additional row of dabs at mid storey height.

FINISHING

671A TAPED SEAMLESS FINISH TO PLASTERBOARD

Manufacturer: British Gypsum.

Joint compound: One or more of the following Gyproc products:

- " Gyproc Easi-Fill
- " Gyproc Easi-Fill 45
- " Gyproc Joint Filler
- " Gyproc Joint Cement
- " Gyproc Ready Mix Joint Cement
- " Gyproc ProMix LITE Joint Cement.

Joints/gaps:

- " Gyproc Joint Tape or

Internal/ angled corners:

- " Gyproc Joint Tape or
- " Gyproc Easyflex PRO (for Extra Durability)

External corners:

- " Gyproc Aquabead (for Speed and Extra Durability)
- " Gyproc Easyflex PRO (for Extra Durability)
- " Gyproc Corner Tape
- " Gyproc Drywall Metal Angle Bead

Shadow gaps:

- " BGM105 Styletrim (25 x 10mm)
- " BGM106 Styletrim (12.5 x 10mm)

Board ends:

- " Gyproc Drywall Plastic Edge Bead
- " or Gyproc Drywall Metal Edge Bead

Primer/sealer:

- " Two coats Gyproc Drywall Sealer where vapour control required (will provide vapour resistance only and does not meet performance requirements for moisture resistant grade boards as defined in BS EN520, type H1)

- " Alternatively, one coat Gyproc Drywall Sealer for simple steam stripping of wall coverings (except for vinyl or other low permeability wall coverings) at a later date.

- " One coat Gyproc Drywall Primer elsewhere.

- Lightly sand cut edges of boards to remove paper burrs.
- Fill all joints, gaps and internal angles with joint compound and cover with continuous lengths of tape, fully bedded. Reinforce external angles, stop ends, etc. with the specified bead/corner tape.
- When set, cover with joint compound, feathered out to give a flush, smooth, seamless surface.
- Spot nail/screw depressions with joint compound to give a flush surface.
- Fill minor indents. After joint, angle and spotting treatments have dried, lightly sand to remove any minor imperfections.
- Apply specified primer/sealer to give a continuous consistent texture to surface of boards.

671B TAPED SEAMLESS FINISH TO RIGIDUR H FIBRE REINFORCED GYPSUM BOARD:

Manufacturer: British Gypsum.

Joint compound:

" Gyproc Easi-Fill

Joints/gaps:

" Gyproc Joint Tape

Internal/ angled corners:

" Gyproc Joint Tape or

" Gyproc Easyflex PRO (for Extra Durability)

External corners:

" Gyproc Aquabead (for Speed and Extra Durability)

" Gyproc Easyflex PRO (for Extra Durability)

" Gyproc Corner Tape

" Gyproc Drywall Metal Angle Bead

Shadow gaps:

" BGM105 Styletrim (25 x 10mm)

" BGM106 Styletrim (12.5 x 10mm)

Board ends:

" Gyproc Drywall Plastic Edge Bead

" or Gyproc Drywall Metal Edge Bead

Primer/sealer:

" Two coats Gyproc Drywall Sealer where vapour control required (will provide vapour resistance only and does not meet performance requirements for moisture resistant grade boards as defined in BS EN520, type H1)

" Alternatively, one coat Gyproc Drywall Sealer for simple steam stripping of wall coverings (except for vinyl or other low permeability wall coverings) at a later date.

- Reinforce external angles, etc. with the specified bead/corner tape.

- Apply Gyproc Easi-Fill to the joint and bed in Gyproc Joint Tape. Allow to dry and lightly sand to remove any high spots. Gyproc Joint Tape should be used in internal angle joints. Trowel apply a second coat of Gyproc Easi-Fill and feather out to about 200mm width on each side of the joint. Allow to dry and lightly sand.

- Spot nail/screw/staple depressions with two coats of joint compound to give a flush surface.

- Fill minor indents with a single coat of joint compound to give a flush surface.

- After joint, angle and spotting treatments have dried, lightly sand to remove any minor imperfections.

676A TAPED SEAMLESS FINISH TO GLASROC FIBRE REINFORCED GYPSUM BOARD:

Manufacturer: British Gypsum.

Joint compound:

" Gyproc Joint Cement

Joints/gaps/internal corners:

" Gyproc Joint Tape or

" Thistle ProTape FT50

External corners:

" Gyproc Easyflex PRO (for Extra Durability)

" Gyproc Corner Tape

" Gyproc Drywall Metal Angle Bead (bedded on to Gyproc Joint Filler)

- Apply Gyproc Joint Cement to the joint and bed in Gyproc Joint Tape. Allow to dry and lightly sand to remove any high spots. Gyproc Joint Tape should be used in internal angle joints. Trowel apply a second coat of Gyproc Joint Cement and feather out to about 200mm width on each side of the joint. Allow to dry and lightly sand.

- Spot nail/screw/staple depressions with two coats of joint compound to give a flush surface.

- Fill minor indents with a single coat of joint compound to give a flush surface.

- After joint, angle and spotting treatments have dried, lightly sand to remove any minor imperfections.

681A SKIM COAT PLASTER FINISH: (Hand applied only):

Manufacturer and reference: British Gypsum, Thistle Multi-Finish.

Thickness: 2mm.

- Pre-Treatment: Thistle Bond-IT (Glasroc H TILEBACKER & Gyproc Moisture resistant grade plasterboards), Thistle GypPrime (required for Rigidur H boards to control suction).

- Reinforcement:

Joints/gaps/internal corners: Any gaps exceeding 3mm pre-filled and joints reinforced using Gyproc Joint Tape alternatively Thistle ProTape FT50 or FT100 may be used.

External corners: Thistle Thin Coat Angle Bead or Thin Coat Mini Mesh Bead.

Edges: Thistle Thin Coat Plaster Stop Bead to all door and window surrounds.

- Fill and tape all joints except where coincident with metal beads.

- Trowel/float to a tight, matt, smooth surface with no hollows, abrupt changes of level or trowel marks.

681B SKIM COAT PLASTER FINISH: (HAND APPLIED ONLY):

- Manufacturer and reference: British Gypsum, Thistle PureFinish.
Thickness: 2mm.
- Pre-Treatment: Thistle Bond-IT (Glasroc H TILEBACKER & Gyproc Moisture resistant grade plasterboards), Thistle GypPrime (required for Rigidur H boards to control suction).
- Reinforcement:
Joints/gaps/internal corners: Any gaps exceeding 3mm pre-filled and joints reinforced using Gyproc Joint Tape alternatively Thistle ProTape FT50 or FT100 may be used.
External corners: Thistle Thin Coat Angle Bead or Thin Coat Mini Mesh Bead.
Edges: Thistle Thin Coat Plaster Stop Bead to all door and window surrounds.
- Fill and tape all joints except where coincident with metal beads.
- Trowel/float to a tight, matt, smooth surface with no hollows, abrupt changes of level or trowel marks.
- ACTIVair Technology:
- Decoration: After the plaster skim has dried, decoration including any decorator's preparatory work should follow. Please note however that any decoration should be breathable to allow Formaldehyde and other pollutants to pass through the finish and be absorbed by the plaster.
Painting: Breathable paints – please consult the appropriate paint manufacturer.
Wallpaper: Use only breathable wallpapers– please consult the appropriate wallpaper manufacturer.
- Limitations: Finishes that restrict the board surface permeability e.g. Tiling, Marble and other wall coverings, will limit the absorption of Formaldehyde and other pollutants for the area covered

681C SKIM COAT PLASTER FINISH: (HAND APPLIED ONLY):

Manufacturer and reference: British Gypsum, Thistle Board Finish.

Thickness: 2mm.

- Pre-Treatment: Thistle Bond-IT (Glasroc H TILEBACKER & Gyproc Moisture resistant grade plasterboards), Thistle GypPrime (required for Rigidur H boards to control suction).
- Reinforcement:
Joints/gaps/internal corners: Any gaps exceeding 3mm pre-filled and joints reinforced using Gyproc Joint Tape alternatively Thistle ProTape FT50 or FT100 may be used.
External corners: Thistle Thin Coat Angle Bead or Thin Coat Mini Mesh Bead.
Edges: Thistle Thin Coat Plaster Stop Bead to all door and window surrounds.
- Fill and tape all joints except where coincident with metal beads.
- Trowel/float to a tight, matt, smooth surface with no hollows, abrupt changes of level or trowel marks.

681D SKIM COAT PLASTER FINISH: (HAND APPLIED ONLY):

Manufacturer and reference: British Gypsum, Thistle Durafinish (For improved impact & abrasion resistance).

Thickness: 2mm.

- Pre-Treatment: Thistle GypPrime (required for Rigidur H boards to control suction).

- Reinforcement:

Joints/gaps/internal corners: Any gaps exceeding 3mm pre-filled and joints reinforced using Gyproc Joint Tape alternatively Thistle ProTape FT50 or FT100 may be used.

External corners: Thistle Thin Coat Angle Bead or Thin Coat Mini Mesh Bead.

Edges: Thistle Thin Coat Plaster Stop Bead to all door and window surrounds.

- Fill and tape all joints except where coincident with metal beads.
- Trowel/float to a tight, matt, smooth surface with no hollows, abrupt changes of level or trowel marks.

681E SKIM COAT PLASTER FINISH: (MACHINE OR HAND APPLIED):

- Manufacturer and reference: British Gypsum, Thistle Spray Finish.

Thickness: 2mm.

- Pre-Treatment: Thistle Bond-IT (Glasroc H TILEBACKER & Gyproc Moisture resistant grade plasterboards), Thistle GypPrime (required for Rigidur H boards to control suction).

- Machine spray application: Worm pump plastering machine e.g. M-Tec M100SC or PFT Ritmo.

- Reinforcement:

Joints/gaps: Gyproc Joint Tape or Thistle ProTape FT50/ FT100

Internal corners: Any gaps exceeding 3mm pre-filled and joints reinforced using Gyproc Joint Tape alternatively Thistle ProTape FT100 may be used.

External corners: Thistle Thin Coat Angle Bead or Thin Coat Mini Mesh Bead.

Edges: Thistle Thin Coat Plaster Stop Bead to all door and window surrounds.

- Fill and tape all joints except where coincident with metal beads.
- Trowel/float to a tight, matt, smooth surface with no hollows, abrupt changes of level or trowel marks.

681F SKIM COAT PLASTER FINISH: (HAND APPLIED ONLY):

- Manufacturer and reference: British Gypsum, Thistle Magnetic Plaster.

Thickness: 3mm Minimum.

- Pre-Treatment: Thistle Bond-IT (Glasroc H TILEBACKER & Gyproc Moisture resistant grade plasterboards), Thistle GypPrime (required for Rigidur H boards to control suction).

- Reinforcement:

Joints/gaps/internal corners: Any gaps exceeding 3mm pre-filled and joints reinforced using Gyproc Joint Tape alternatively Thistle ProTape FT50 or FT100 may be used.

External corners: Thistle Thin Coat Angle Bead or Thin Coat Mini Mesh Bead.

Edges: Thistle Thin Coat Plaster Stop Bead to all door and window surrounds.

- Fill and tape all joints except where coincident with metal beads.
- Trowel/float to a tight, matt, smooth surface with no hollows, abrupt changes of level or trowel marks.

695A BEADS/ STOPS GENERALLY

- Cut neatly using mitres at return angles. Fix securely using longest possible lengths, plumb, square and true to line and level, ensuring full contact of wings with background.
- After joint compounds/plasters have been applied, remove surplus material while still wet from surfaces of beads which are exposed to view.

725 REPAIRS TO EXISTING GYPSUM BOARD

- Filling small areas with broken cores: Cut away paper facing, remove loose core material and fill with jointing compound.
 - Finish: Flush, smooth surface suitable for redecoration.
- Large patch repairs: Cut out damaged area and form neat hole with rectangular sides. Replace with matching gypsum board.
 - Fixing: Use methods to suit type of dry lining, ensuring full support to all edges of existing and new gypsum board.
 - Finishing: Fill joints, tape and apply jointing compound to give a flush, smooth surface suitable for redecoration.