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Specification: **K10 PLASTERBOARD DRY-LININGS/ PARTITIONS CEILINGS**

Project: **5 LINCOLNS INN FIELDS**

Project ref.: **BFF 1019**

Status: **TENDER ISSUE**

Rev.	Date	Status	Amendments
T2	07.12.10	Tender	

K10 PLASTERBOARD DRY LININGS/ PARTITIONS/ CEILINGS

To be read with Preliminaries/ General conditions.

TYPES OF DRY LINING

125A METAL STUD PARTITION SYSTEM TO NEW PARTITIONS (30FR) IN SERVICE AREAS

- Location: Between Gym B.10 and Boiler room B.08
- Manufacturer: British Gypsum.
  - Product reference: Gypwall Classic .
- Studs:
  - Type: 70 S 50 studs.
  - Centres: 600 mm.
- Head condition: Gyproc deep flange channel fixed at 600mm centres to continuous treated softwood plate fixed to new joist structure.
  - Deflection allowance: not required.
- Insulation: Isowool APR 1200 in the cavity.
  - Recycled content: 50% minimum to BS EN ISO 14021.
  - Thickness: 25mm.
- Linings:
- To B.08 side, 1 layer of 12.5mm Gyproc Moisture resistant board on 18 mm WBP plywood as K11/415C.
- To B.10 side, 1 layer of 12.5mm Gyproc Wallboard on 18 mm WBP plywood as K11/415C.
- Finishing:
  - To B.08 side seamless finish as clause 670
  - To B.10 side skim coat plaster as clause 680

125B METAL STUD PARTITION SYSTEM TO LIFT SHAFT

- Manufacturer: British Gypsum.
  - Product reference: Gypwall Classic (adapted).
- Studs:
  - Type: 48x50 C stud.
  - Centres: 400mm.
- Head condition: 70x70mm RHS steel framing to lift shaft.
  - Deflection allowance: not required.
- Insulation: Isowool High Performance Acoustic Slabs in the cavity.
  - Recycled content: 50% minimum to BS EN ISO 14021.
  - Thickness: 50mm.
- Linings:
  - To lift shaft side one layer 10mm Multiboard plus one layer 6mm Gyproc Glasroc Multiboard.
  - To lobby side one layer 12mm WBP plywood as K11/415C plus one layer 12.5 British Gypsum Soundbloc.
- Finishing:
  - Seamless jointing to lift shaft side as clause 670.
  - Skim coat plaster to lobby side as clause 680.
- Primer/ Sealer: not required.
- Accessories: Angle beads as clause 690.

- Access Panels as clause 430B.

125C METAL STUD PARTITION SYSTEM TO NEW PARTITIONS (30FR) TO WET AREAS

- Location: Between Shower Room B.09 and and Plantroom B.07
- Manufacturer: British Gypsum.
  - Product reference: Gypwall Classic.
- Studs:
  - Type: 70 S 50 studs.
  - Centres: 600 mm.
- Head condition: Gyproc deep flange channel fixed at 600mm centres to continuous treated softwood plate fixed to new joist structure.
  - Deflection allowance: not required.
- Insulation: Isowool APR 1200 in the cavity.
  - Recycled content: 50% minimum to BS EN ISO 14021.
  - Thickness: 25mm.
- Linings:
  - 1 layer of 12.5mm Gyproc Moisture resistant board on 18 mm WBP plywood as K11/415C.
- Finishing:
  - Skim coat plaster to B.09 side as clause 680.
  - Seamless finish to B.07 side as clause 670
- Primer/ Sealer: not required.
- Accessories: Stopbead above skirting as clause 690.
- Other requirements: in area of tiling around shower install WEDI board as clause 403X in lieu of Moisture Resistant board.

125D (NOT USED)

125E METAL STUD PARTITION SYSTEM TO NEW PARTITIONS (NON-FIRE) TO WET AREAS

- Location: Between Bathroom B.14 and Lobby B.13
- Manufacturer: British Gypsum.
  - Product reference: Gypwall Classic .
- Studs:
  - Type: 70 S 50 studs.
  - Centres: 600 mm.
- Head condition: Gyproc deep flange channel fixed at 600mm centres to continuous treated softwood plate fixed to structure.
  - Deflection allowance: not required.
- Insulation: Isowool APR 1200 in the cavity.
  - Recycled content: 50% minimum to BS EN ISO 14021.
  - Thickness: 25mm.
- Linings:
  - To B13 side, 1 no layer 12.5mmGyproc Wallboard on 18 mm WBP plywood as K11/415C.
  - To B.14 side, 1 layer of 12.5mm Gyproc Moisture resistant board on 18 mm plywood as K11/415C.
- Finishing:
  - To B.07 side, skim coat plaster as clause 680
  - Primer/ Sealer: not required.

125F METAL STUD PARTITION SYSTEM TO NEW PARTITIONS (30 F/R)

- Manufacturer: British Gypsum.
  - Product reference: Gypwall Classic .
- Studs:
  - Type: 70 S 50 studs.
  - Centres: 600 mm.
- Head condition: Gyproc deep flange channel fixed at 600mm centres to continuous treated softwood plate fixed to structure.
  - Deflection allowance: not required.
- Insulation: Isowool APR 1200 in the cavity.
  - Recycled content: 50% minimum to BS EN ISO 14021.
  - Thickness: 65mm.
- Linings:
  - 1 no layer 12.5mmGyproc Wallboard on 18 mm WBP plywood as K11/415C.
- Finishing:
  - Skim coat plaster as clause 680
  - Primer/ Sealer: not required.
- Accessories: Angle beads as clause 690.

125G METAL STUD PARTITION SYSTEM TO NEW PARTITIONS (30 F/R) WITH VENEERED BOARD LINING

Location: between Landing 3.10 and Bedroom 3.08

- Manufacturer: British Gypsum.
  - Product reference: Gypwall Classic .
- Studs:
  - Type: 70 S 50 studs.
  - Centres: 600 mm.
- Head condition: Gyproc deep flange channel fixed at 600mm centres to continuous treated softwood plate fixed to structure.
  - Deflection allowance: not required.
- Insulation: Isowool APR 1200 in the cavity.
  - Recycled content: 50% minimum to BS EN ISO 14021.
  - Thickness: 65mm.
- Linings:
  - 1 no layer 12.5mmGyproc Wallboard on 18 mm WBP plywood as K11/415C to 3.10 landing side.
  - 1 no layer 18mm oak veneered plywood (refer to L20/231A) on 12.5mm Gyproc Wallboard on bedroom cupboard side.
- Finishing:
  - Skim coat plaster as clause 680 on plasterboard side.
  - Primer/ Sealer: not required.
- Accessories: Angle beads as clause 690.

125H METAL STUD PARTITION SYSTEM TO 30 F/R CASINGS TO VENTILATION DUCTS

- Manufacturer: British Gypsum.
  - Product reference: Gyproc Shaftwall.
- Studs:
  - Type: 60 I studs.
  - Centres: positioned to form casing mm.
- Head condition: Gyproc deep flange channel fixed at 600mm centres to continuous treated softwood plate fixed to structure.
  - Deflection allowance: not required.

- Insulation: Isowool APR 1200 in the cavity.
  - Recycled content: 50% minimum to BS EN ISO 14021.
  - Thickness: 65mm.
- Linings:
  - 15mm Core Board ventilation duct side.
  - 15mm Fireline on 15mm plywood as K11/415C on room side.
- Finishing:
  - Skim coat plaster as clause 680 on room side
- Accessories: Angle beads as clause 690.

155A WALL LINING SYSTEM (METAL STUDS) TO NON-FIRE RISERS IN DRY AREAS

- Manufacturer: British Gypsum.
  - Product reference: Gypliner.
- Studs:
  - Type: 48 I 50 I-studs .
  - Centres: 400mm.
- Head condition: Gyproc deep flange channel fixed to softwood plate fixed to joist structure.
  - Deflection allowance: nor required.
- Insulation: not required .
- Vapour control layer: not required.
- Resilient layer: not required.
- Linings: 1 no layer 12.5mmGyproc Wallboard on 15 mm WBP plywood as K11/415C.
- Finishing: Skim coat plaster as clause 680.
  - Primer/ Sealer: not required.

155B WALL LINING SYSTEM (METAL STUDS) TO NON-FIRE SERVICES CASINGS IN DRY AREAS

- Manufacturer: British Gypsum.
  - Product reference: Gypliner.
- Studs:
  - Type: 60 I 50 I-studs .
  - Centres: studs positioned to form casing.
- Unbraced height (maximum): 3000mm.
- Head condition: Generally Gyproc deep flange channel fixed to softwood plate fixed to joist structure. In G.09 Annexe head channel is to be fixed to the underside of steel beam / floor trench of 1.08 above.
  - Deflection allowance: nor required.
- Insulation: Isowool High Performance Acoustic slabs packed into cavity around pipework.
  - Recycled content: 50% minimum to BS EN ISO 14021..
  - Thickness: mm.
- Vapour control layer: not required.
- Resilient layer: not required.
- Linings: 1 no layer 12.5mmGyproc Wallboard on 15 mm WBP plywood as K11/415C.
- Access units: as clause 430A.
- Finishing: Skim coat plaster as clause 680 .
  - Primer/ Sealer: not required.
  - Accessories: Angle beads as clause 690.

155C WALL LINING SYSTEM (METAL STUDS) TO NON-FIRE RISERS IN WET AREAS

- Manufacturer: British Gypsum.
  - Product reference: Gypliner.
- Studs:
  - Type: 48 I 50 I-studs .
  - Centres: 400mm.
- Head condition: Gyproc deep flange channel fixed to softwood plate fixed to joist structure.
  - Deflection allowance: nor required.
- Insulation: not required .
- Vapour control layer: not required.
- Resilient layer: not required.
- Linings: 1 no layer 12.5mm Gyproc Moisture Resistant board on 15 mm WBP plywood as K11/415C.
- Access units: as clause 430A.
- Finishing: Skim coat plaster as clause 680.
  - Primer/ Sealer: not required.
- Accessories: corner and edge beads as clause 690 for recesses formed in lining, as shown on room elevations.
- Other requirements: Substitute 1 no layer 12.5mm WEDI board as clause 403X for Moisture Resistant board in areas of tiling shown on room elevations.

155D WALL LINING SYSTEM (METAL STUDS) ACOUSTIC LINING TO 2ND FLR BEDROOM

- Manufacturer: British Gypsum.
  - Product reference: Gypliner.
- Studs:
  - Type: 48 I 50 I-studs .
  - Centres: 400mm.
- Head condition: *Gyproc deep flange channel fixed to softwood plate fixed to joist structure.*
  - Deflection allowance: nor required.
- Insulation: 50mm Isowool High Performance Acoustic Slabs.
- Vapour control layer: not required.
- Resilient layer: not required.
- Linings: *2 no layers 12.5mm Gyproc Soundbloc*.
- Finishing: Skim coat plaster as clause 680.
  - Primer/ Sealer: not required.

155E WALL LINING SYSTEM (METAL STUDS) TO WET AREAS

- Manufacturer: British Gypsum.
  - Product reference: Gypliner.
- Studs:
  - Type: 92 I 90 I-studs .
  - Centres: 600mm.
- Head condition: Gyproc deep flange channel fixed to treated softwood fillet.
  - Deflection allowance: nor required.
- Insulation: 90mm rigid insulation as P10/190.
- Vapour control layer: not required.
- Resilient layer: not required.
- Linings: 1 no layer WEDI board as clause 403X.
- Finishing: tiling.
  - Primer/ Sealer: not required.

155F CONCEALED WALL LINING SYSTEM (METAL STUDS) TO WET AREAS

- Manufacturer: British Gypsum.
  - Product reference: Gypliner.
- Studs:
  - Type: 92 I 90 I-studs .
  - Centres: 600mm.
- Head condition: Gyproc deep flange channel fixed to concrete slab soffit through treated softwood head plate.
  - Deflection allowance: nor required.
- Insulation: 90mm rigid insulation as P10/190.
- Vapour control layer: not required.
- Resilient layer: not required.
- Linings: 1 no layer 15mm plywood as clause K11/415C.
- Finishing: plywood left unfinished as concealed.

185 WALL LINING SYSTEM (ADHESIVE) TO EXTERNAL WALLS IN EXISTING REAR EXTENSION

- Manufacturer: British Gypsum.
  - Product reference: Dryliner RF.
- Wall: Plastered solid brickwork.
- Adhesive method: dabs as clause 625.
- Linings: 60mm Thermaline Super
- Finishing: skim coat as clause 680.
  - Primer/ Sealer: not required.
  - Accessories: angle beads as clause 690.
- Other requirements:
  - Gyproc Nailable Plugs for mechanical fixing in accordance with manufacturer's instructions
  - 18mm Thermaline Reveal to window reveals
  - 45x45mm treated softwood timber fixing grounds for secondary glazing to be fixed around window jambs and head within thickness of insulation.

205A LINING ON TIMBER TO STALL RISER FROM BASEMENT PLANTROOM

- Background: New 75x50 timber studs as G20 at 400 centres including noggins to support board edges.
- Linings:
  - To Workshop G.08 side, 1 no layer 15mm : British Gypsum Fireline Duplex on 1 layer 18mm WBP plywood as K11/415C.
  - To Plantroom B.07 side, 1 no layer l8mm WBP plywood *as K11/415C* screwed through from G.08 side.
  - Fixing: Screws.
- Insulation: 125mm insulation as P10/140.
- Finishing: skim coat plaster to G.08 side as clause 680.
  - Primer/ Sealer: not required.
  - Accessories: angle beads as clause 690.
- Other requirements: linings required to vertical and horizontal.

205B LINING ON TIMBER (EXISTING STUD WALLS)

- Background: Existing timber studs (centres to be verified on site). New noggins to be installed to support board edges.
- Linings: To 2.06 and 3.06 side, 1 layer of 12.5mm Gyproc Wallboard on 15 mm WBP plywood.
- To 2.09 and 3.09 side, 1 layer of 12.5mm Gyproc Moisture resistant board on 15 mm WBP plywood as K11/415.
- Insulation: 75mm Isowool High Performance Acoustic Slabs.
- Finishing: skim coat plaster as clause 680 (except in area of wall tiling)
  - Fixing: stainless steel screws.
  - Primer/ Sealer: not required .
  - Accessories: stop beads as clause 680 to enable flush skirting.

Other requirements: For shower in room 2.09, substitute 1 no layer 12.5mm WEDI board as clause 403X in lieu of Moisture Resistant board in area to receive tiling.

205C LINING ON TIMBER (WET AREAS)

- Background: new treated softwood 45x69mm studs at 400mm centres.
- Linings: (Room side only) 1 no layer 12.5mm British Gypsum Gyproc Moisture Resistant board on 15 mm WBP plywood *as K11/415C*.
  - Fixing: stainless steel screws.
- Finishing: Skim coat plaster as clause 680, except in area of tiling.
  - Primer/ Sealer: not required.
- Other requirements:
  - In Bathroom 2.09 in area to receive tiling substitute 1 no layer 12.5mm WEDI board as clause 403X in lieu of Moisture Resistant board.
  - In bathroom 2.09, studs are to span from sole plate at floor level to head plate to avoid fixings into existing panelling.

205D LINING ON TIMBER (FOIL-BACKED)

- Background: New treated 125 x 75 softwood studs / rafters at 400 centres.
- Linings: British Gypsum Fireline Duplex. To vertical walls this to be laid over 1 layer 12mm WBP plywood as K11/415C.
  - Fixing: screws.
- Finishing: Skim coat plaster as clause 680.
  - Primer/ Sealer: not required.

205E LINING ON NEW TIMBER STUD FRAMEWORK WITHIN ROOF VOID

- Background: treated softwood studs at 400mm centres.
- Lining: 1 layer 12.5 British Gypsum Soundbloc each side of stud.
- Insulation: 75mm Isowool High Performance Acoustic Slabs.
- Finishing: seamless joints as clause 680
  - Fixing: Nails.
  - Primer/ Sealer: not required .
- Other requirements: silicone seal joints with existing timber wall-plates, rafters.

205F LINING ON NEW TIMBER STUD FRAMEWORK

- Background: treated softwood studs at 400mm centres.
- Lining: 1 layer 12.5 British Gypsum Wallboard to room side.
- Insulation: 75mm Isowool High Performance Acoustic Slabs.
- Finishing: seamless joints as clause 680
  - Fixing: Nails.
  - Primer/ Sealer: not required.

205G LINING ON TIMBER (WITHIN NEW STAIRCASE)

- Background: 25mm veneered plywood as L30/230A.
- Linings: 1 layer 15mm British Gypsum Fireline board.
  - Fixing: screws.
- Finishing: skim coat plaster as 680.
  - Primer/ Sealer: not required.

205H LINING ON TIMBER (TO CONCEAL PANELLING)

- Background: new treated 15x45mm treated softwood grounds .
- Linings: (Room side only) *1 no layer 12.5mm British Gypsum Gyproc Moisture Resistant board*.
  - Fixing: screws.
- Finishing: Skim coat plaster as clause 680.
  - Primer/ Sealer: not required.

220A PROPRIETARY SUSPENDED CEILING SYSTEM

- Manufacturer: British Gypsum.
  - Product reference: Casoline MF ceiling and Casoline Curve.
- Structural soffit: Concrete slab.
- Lining board: 1 layer 12.5mm Moisture Resistant board .
  - Finishing: skim coat plaster as clause 680.
- Suspension system:
  Hangers: GA1 steel angle
  Primary frame: Locate at 1200 mm centres, suspended from hangers at 1200 mm centres.
  Secondary frame: Locate at 600 mm centres.
  Fixing: As clause 590.
  Top fixing: To suit structural soffit of in-situ concrete slab.
- Insulation: as P10/190 applied directly to concrete soffit.
  - Thickness: 90mm.
- Accessories/ Other requirements:
  - In bathroom B.09, plasterboard installed to curve above bath as shown on drawings.

220B PROPRIETARY SUSPENDED CEILING SYSTEM

- Manufacturer: British Gypsum.
  - Product reference: Casoline MF ceiling.
- Structural soffit: existing rafters.
- Lining board: 1 layer 12.5mm Moisture Resistant board .
  - Finishing: skim coat plaster as clause 680.
- Suspension system:
  Hangers: GA1 steel angle
  Primary frame: Locate at 1200 mm centres, suspended from hangers at 1200 mm centres.
  Secondary frame: Locate at 600 mm centres.
  Fixing: As clause 590.
  Top fixing: To suit structural soffit of in-situ concrete slab.
- Insulation: as P10/190 applied directly to concrete soffit.
  - Thickness: 90mm.
- Accessories/ Other requirements:
  - Form reveal to sunpipe rooflight.

245A CEILING LINING ON TIMBER (SERVICE AREAS)
- Background: New timber joists at 400mm centres .
- Metal resilient (acoustic) bars: not required.
- Linings: 1 no layer 15mm British Gypsum Wallboard.
  - Fixings: Screws .
- Finishing: seamless jointing as clause 670.
  - Primer/ Sealer: not required.

245B CEILING LINING ON TIMBER (WET AREAS)
- Background: New timber joists at 400mm centres .
- Metal resilient (acoustic) bars: not required.
- Linings: 1 no layer 15mm British Gypsum Moisture Resistant board
  - Fixings: Screws .
- Finishing: skim coat plaster as clause 680.
  - Primer/ Sealer: not required.

245C CEILING LINING ON TIMBER
- Background: New or existing timber joists at 400mm centres .
- Linings: 1 no layer 15mm British Gypsum Wallboard.
  - Fixings: Screws .
- Finishing: skim coat plaster as clause 680.
  - Primer/ Sealer: not required.

245D CEILING LINING ON TIMBER
- Background: Existing lath & plaster on existing joists.
- Linings: 1 no layer 9.5mm British Gypsum Wallboard.
  - Fixings: Screws.
- Finishing: skim coat plaster as clause 680.
  - Primer/ Sealer: not required.

245E CEILING LINING ON TIMBER
- Background: New treated softwood joists/ framing / bulkhead.
- Linings: 1 no layer 12.5mm British Gypsum Wallboard.
  - Fixings: Screws.
- Finishing: skim coat plaster as clause 680.
  - Primer/ Sealer: not required.
- Accessories: angle beads as clause 690.

245F CEILING LINING ON TIMBER
- Background: Existing joists.
- Linings: 1 no layer 12.5mm British Gypsum Wallboard.
  - Fixings: Screws.
- Finishing: skim coat plaster as clause 680.
  - Primer/ Sealer: not required.
- Accessories: angle beads as clause 690.

GENERAL/ PREPARATION

325 PREPARATION OF MASONRY TO RECEIVE WALL LININGS
- General: Suitable to receive lining system. Redundant fixtures and services removed. Cutting, chasing and making good completed.
- Holes, gaps, service penetrations, perimeter junctions and around openings: Seal.
- Adhesive fixings: Prepare substrate to achieve effective bonding.
  - Contaminants: Remove loose material, dirt, grease, oil, paper, etc.
  - Absorption: Control by dampening, priming or applying bonding agents as necessary.

335 ADDITIONAL SUPPORTS
- Framing: Accurately position and securely fix to give full support to:
  - Partition heads running parallel with, but offset from main structural supports.
  - Fixtures, fittings and service outlets. Mark framing positions clearly and accurately on linings.
  - Board edges and lining perimeters, as recommended by board manufacturer to suit type and performance of lining.

375 NEW WET LAID BASES
- Dpcs: Install under full width of partitions/ freestanding wall linings.
  - Material: Bituminous sheet or plastics.

COMPONENTS

403X GYPSUM PLASTERBOARD (MOISTURE RESISTANT)
- Type: Tile backer board.
- Supplier: WEDI telephone 01706 647 333 email sales@wedi.co.uk.
  - Reference: wedi building board vapor.
  - Thickness: 12.5mm

430A ACCESS PANELS (NON-FIRE)
Type: Gyproc Profilex Standard Panel
- Sizes: 300mm square
- Finish: etch primer for paint finish
- Frame: Beaded
- Lock: Budget

430B ACCESS PANELS (30 FIRE-RATED)
- Locations: to Shaftwall casings to ventilation ducts within existing cupboards
- Type: Profab Access Panels & Solutions 01827 71905 - email sales@profabaccess.com
  - Sizes: 8 no @ 250w x 400h, 1 no 250wx1500h
- Frame: Beaded frame.
- Panel: Primed metal to receive paint finish.
- Lock: Standard Budget Lock.

INSTALLATION

435 DRY LININGS GENERALLY
- General: Use fixing, jointing, sealing and finishing materials, components and installation methods recommended by board manufacturer.
- Cutting plasterboards: Neatly and accurately without damaging core or tearing paper facing.
  - Cut edges: Minimize and position at internal angles wherever possible. Mask with bound edges of adjacent boards at external corners.
- Fixings boards: Securely and firmly to suitably prepared and accurately levelled backgrounds.
- Finishing: 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.

455 METAL FRAMING FOR PARTITIONS/ WALL LININGS
- Setting out: Accurately aligned and plumb.
  - Frame/ Stud positions: Equal centres to suit specified linings, maintaining sequence across openings.
  - Additional studs: To support vertical edges of boards.
- Fixing centres at perimeters (maximum): 600 mm.
- Openings: Form accurately.
  - Doorsets: Use sleeved or boxed metal studs and/ or suitable timber framing to achieve strength grade requirements for framing assembly and adequately support weight of door.
  - Services penetrations: Allow for associated fire stopping.

475 METAL FURRINGS FOR WALL LININGS
- Setting out: Accurately aligned and plumb.
  - Vertical furring positions: Equal vertical centres to suit specified linings, maintaining sequence across openings. Position adjacent to angles and openings.
  - Additional vertical furrings: To support vertical edges of boards and at junctions with partitions.
  - Horizontal furring positions: To provide continuous support to edges of boards.
- Adhesive bedding to furrings:
  - Dabs: Length 200 mm (minimum). Located at ends of furrings and thereafter at 450 mm (maximum) centres.
  - Junctions with partitions: Continuous bed with no gaps across cavity.

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.

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 plasterboard: After sealing, fill with jointing compound.

555 FIRE STOPPING AT PERIMETERS OF DRY LINING SYSTEMS
- Material: Tightly packed mineral wool or intumescent mastic/ sealant.
- Application: To perimeter abutments to provide a complete barrier to smoke and flame.

560 JOINTS BETWEEN BOARDS
- Tapered edged plasterboards:
  - Bound edges: Lightly butted.
  - Cut/ unbound edges: 3 mm gap.
- Square edged plasterboards: 3 mm gap.
- Square edged fibre reinforced gypsum boards: 5 mm gap.

565 VERTICAL JOINTS
- Joints: Centre on studs.
  - Partitions: Stagger joints on opposite sides of studs.
  - Two layer boarding: Stagger joints between layers.

570 HORIZONTAL JOINTS
- Surfaces exposed to view: Horizontal joints not permitted. Seek instructions where height of partition/ lining exceeds maximum available length of board.
- Two layer boarding: Stagger joints between layers by at least 600 mm.
- Edges of boards: Support using additional framing.
  - Two layer boarding: Support edges of outer layer.

580 INSULATION BACKED PLASTERBOARD
- General: Do not damage or cut away insulation to accommodate services.
- Installation at corners: Carefully cut back insulation or plasterboard as appropriate along edges of boards to give a continuous plasterboard face, with no gaps in insulation.

590 FIXING PLASTERBOARD TO METAL FRAMING/ FURRINGS
- Partitions/ Wall linings: Fix securely and firmly at the following centres (maximum):
  - Single layer boarding: To all framing at 300 mm centres. Reduce to 200 mm centres at external angles.
  - Multi-layer boarding: Face layer at 300 mm centres, and previous layers around perimeters at 300 mm centres.
- Ceilings: 230 mm. Reduce to 150 mm at board ends and at lining perimeters.

- Position of screws from edges of boards (minimum): 10 mm.
  - Screw heads: Set in a depression. Do not break paper or gypsum core.

610 FIXING PLASTERBOARD 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.

625 FIXING INSULATION BACKED PLASTERBOARD WITH ADHESIVE DABS
- Fixing to substrates: In addition to adhesive dab fixings, secure boards with nailable plugs in locations recommended by board manufacturer.

FINISHING

650 LEVEL OF DRY LINING ACROSS JOINTS
- Sudden irregularities: Not permitted.
- Joint deviations: Measure from faces of adjacent boards using methods and straightedges (450 mm long with feet/ pads) to BS 8212, clause 3.3.5.
  - Tapered edge joints:
    Permissible deviation (maximum) across joints when measured with feet resting on boards: 3 mm.
  - External angles:
    Permissible deviation (maximum) for both faces: 4 mm.
  - Internal angles:
    Permissible deviation (maximum) for both faces: 5 mm.

670 SEAMLESS JOINTING TO PLASTERBOARDS
- Cut edges of boards: Lightly sand to remove paper burrs.
- Filling and taping: Fill joints, gaps and internal angles with jointing compound and cover with continuous lengths of paper tape, fully bedded.
- Protection of edges/ corners: Reinforce external angles, stop ends, etc. with specified edge/ angle bead.
- Finishing: Apply jointing compound. Feather out each application beyond previous application to give a flush, smooth, seamless surface.
- Nail/ screw depressions: Fill with jointing compound to give a flush surface.
- Minor imperfections: Remove by light sanding.

680 SKIM COAT PLASTER FINISH
- Plaster type: British Gypsum Thistle Multi-Finish.
  - Thickness: 2-3 mm.
- Joints: Fill and tape except where coincident with metal beads.
- Finish: Tight, matt, smooth surface with no hollows, abrupt changes of level or trowel marks.

690 RIGID BEADS/STOPS:
- Manufacturer: Expamet Building Products, PO Box 14, Longhill Industrial Estate, Hartlepool, Cleveland TS25 1PR (tel. 01429 867366).
  - Product reference:
    548 corner bead;

568 and 576 edging bead.
- Material: Galvanized steel to BS 6452-1.

692 RIGID BEADS/ STOPS
- Internal: To BS EN 13658-1.
- External: To BS EN 13658-2.

695 INSTALLING BEADS/ STOPS
- Cutting: Neatly using mitres at return angles.
- Fixing: Securely using longest possible lengths, plumb, square and true to line and level, ensuring full contact of wings with substrate.
- Finishing: After joint compounds/ plasters have been applied, remove surplus material while still wet from surfaces of beads exposed to view.

725 REPAIRS TO EXISTING PLASTERBOARD
- 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 plasterboard.
  - Fixing: Use methods to suit type of dry lining, ensuring full support to all edges of existing and new plasterboard.
  - Finishing: Fill joints, tape and apply jointing compound to give a flush, smooth surface suitable for redecoration.