K10 Gypsum board dry linings/ partitions/ ceilings

To be read with preliminaries/ general conditions.

100 Note

1.0 Information to be read in conjunction with MOJO Architecture drawings and Structural Engineer's information.

101 MOJO standards

1.0 To avoid doors from becoming loose in their frames, all door openings must be specified to achieve BS5234 Parts 1 & 2: 1992 - heavy & severe duty.

2.0 All openings within dry lining systems to be provided with timber nogging within the formed stud opening to supplement fixing and rigidity.

3.0 All partition walls to be founded on the structural slab, where screeds are required timber sole plates are to be utilised.

125A Metal stud partition system

1.0	Description:	New partitions
2.0	Manufacturer:	British Gypsum
2.1	Product reference:	A206003 (EN)
3.0	Studs:	C' Stud
3.1	Type:	Gypframe 48 S 50
3.2	Centres:	600mm
4.0	Head condition:	To be restrained back to existing walls or new intermediate structure required - subcontractor to review detail with manufacturer
4.1	Deflection allowance:	10mm
5.0	Insulation:	Not required
6.0	Resilient layer:	Not required
7.0	Linings:	Two layers of Gyproc WallBoard 12.5mm (Allow for MR board to WCs and shower rooms)
8.0	Finishing:	Plaster finish as per clause 680
8.1	Primer/ Sealer:	One coat of Gyproc Drywall Primer
8.2	Accessories:	Rigid beads/ stops
9.0	Other requirements:	Minimum duty rating "Severe"

145A Wall lining system (metal studs)

1.0	Description:	New linings to box out pipework and structure etc
2.0	Manufacturer:	British Gypsum
3.0	Product reference:	As per B216003(C) (EN) but no insulation
4.0	Cavity between wall and studs:	Nominal 100mm to allow for depth of pipes - refer to drawings
5.0	Wall lining height:	Allow for 3.4m max.
6.1	Studs:	I' Stud
6.2	Type:	Gypframe 60 I 70 ‘I’ Stud
6.3	Centres:	600mm
7.0	Intermediate bracing:	Refer to manufacturers recommendations
8.0	Head condition:	To be restrained back to existing wall - subcontractor to review detail with manufacturer
8.1	Deflection allowance:	N/A
9.0	Structural performance	Ensure board and studs provide required structural rigidity
10.0	Fire performance	Not required
11.0	Metal framing:	Type recommended by board manufacturer to complete the partition assembly and achieve specified performance.
12.0	Insulation:	Not required
13.0	Moisture vapour resistance (minimum):	Allow for MR board to WCs and shower rooms
14.0	Resilient layer:	Not required
15.0	Linings:	Two layers of Gyproc WallBoard 12.5mm (Allow for MR board to WCs and shower rooms)
16.0	Finishing:	Plaster finish as per clause 680
16.1	Primer/ Sealer:	One coat of Gyproc Drywall Primer
16.2	Accessories:	Rigid beads/ stops
17.0	Other requirements:	Minimum duty rating "Severe"

165A Wall lining system (metal framing)

1.0	Description:	New linings to existing walls
2.0	Manufacturer:	British Gypsum
2.1	Product reference:	GypLyner Universal
3.0	Substrate:	Existing masonry walls
4.0	Cavity between wall and back of lining:	Nominal 20mm to allow for tolerance
4.1	Framing centres:	600mm
4.2	Bracket centres (maximum):	800mm
5.0	Insulation:	Not required
6.0	Resilient layer:	Not required
7.0	Linings:	Two layers of Gyproc WallBoard 12.5mm (Allow for MR board to WCs and shower rooms)
8.0	Finishing:	Plaster finish as per clause 680
8.1	Primer/ Sealer:	One coat of Gyproc Drywall Primer
8.2	Accessories:	Rigid beads/ stops
9.0	Other requirements:	Minimum duty rating "Severe"

220A Proprietary suspended ceiling system

1.0	Standard:	To BS EN 13964
2.0	Evidence of compliance:	All ceilings kits to be CE marked. Submit Declaration of Performance
3.0	Manufacturer:	British Gypsum
3.1	Product reference:	GypCeiling MF suspended ceiling
4.0	Linings:	12.5mm Wallboard
4.1	Finishing:	Plaster finish as per clause 680
4.2	Accessories:	
5.0	Suspension system	Gypframe MF7 Primary Support Channel Primary and Gypframe MF5 Ceiling Section Secondary
5.1	Grid centres:	1200mm Primary, 450mm Secondary
5.2	Hangers:	Gypframe MF8 Strap Hanger
5.3	Top fixing:	To be reviewed on site - allow for fixing to existing primary roof structure
6.0	Insulation:	Not Required
7.0	Other requirements:	Refer to manufacturers recommendations

305 Compliance with performance requirements

1 Testing/ Assessment: Submit UKAS accredited laboratory reports for the following:
2 Materials, components and details: As used in testing/ assessment reports. If discrepancies arise, give notice.

325 Preparation of masonry to receive wall linings

1 General: Suitable to receive lining system. Redundant fixtures and services removed. Cutting, chasing and making good completed.
2 Holes, gaps, service penetrations, perimeter junctions and around openings: Seal.
3 Adhesive fixings: Prepare substrate to achieve effective bonding.
3.1 Contaminants: Remove loose material, dirt, grease, oil, paper, etc.
3.2 Absorption: Control by dampening, priming or applying bonding agents as necessary.

335 Additional supports

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

Components

400 Gypsum boards generally

1.0 Standard
1.1 Gypsum plasterboard to BS EN 520.
1.2 Gypsum fibre board to BS EN 15283-2.
1.3 Evidence of compliance: All sheets to be CE marked. Submit Declaration of Performance (DoP).

Installation

435 Dry linings generally

1.0 General: Use fixing, jointing, sealing and finishing materials, components and installation methods recommended by board manufacturer.
2.0 Cutting gypsum boards: Neatly and accurately without damaging core or tearing paper facing.
2.1 Cut edges: Minimize and position at internal angles wherever possible. Mask with bound edges of adjacent boards at external corners.
3.0 Fixings boards: Securely and firmly to suitably prepared and accurately levelled backgrounds.
4.0 Finishing: Neatly to give flush, smooth, flat surfaces free from bowing and abrupt changes of level.

445 Ceilings

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

485 Suspended ceiling grids

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

560 Joints between boards

1.0 Tapered edged gypsum boards
1.1 Bound edges: Lightly butted.
1.2 Cut/ unbound edges: 3 mm gap.
2.0 Square edged plasterboards: 3 mm gap.
3.0 Square edged gypsum fibre boards: 5 mm gap.

565 Vertical Joints

1.0 Joints: Centre on studs.
1.1 Partitions: Stagger joints on opposite sides of studs.
1.2 Two layer boarding: Stagger joints between layers.

570 Horizontal joints

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

595 Deflection heads

1.0 Fixing boards: Do not fix to head channels.

670 Seamless jointing to gypsum boards

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

680 Skim coat plaster finish

1.0 Plaster type As recommended by board manufacturer.
1.1 Thickness: 2-3 mm.
2.0 Joints: Fill and tape except where coincident with metal beads.
3.0 Finish: Tight, matt, smooth surface with no hollows, abrupt changes of level or trowel marks.

692 Rigid beads/stops

1.0 Internal: To BS EN 13658-1.

2.0 External: To BS EN 13658-2.

695 Installing beads/ Stops

1.0 Cutting: Neatly using mitres at return angles.

2.0 Fixing: Securely using longest possible lengths, plumb, square and true to line and level, ensuring full contact of wings with substrate.

3.0 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 gypsum board

1.0 Filling small areas with broken cores: Cut away paper facing, remove loose core material and fill with jointing compound.

1.1 Finish: Flush, smooth surface suitable for redecoration.

2.0 Large patch repairs: Cut out damaged area and form neat hole with rectangular sides. Replace with matching gypsum board.

2.1 Fixing: Use methods to suit type of dry lining, ensuring full support to all edges of existing and new gypsum board.

2.2 Finishing: Fill joints, tape and apply jointing compound to give a flush, smooth surface suitable for redecoration.