

K10 PLASTERBOARD DRY LININGS/PARTITIONS/CEILINGS

To be read with Preliminaries/General conditions.

TYPE(S) OF DRY LINING

235 SUSPENDED CEILING ON METAL FRAMING:

- Drawing reference(s): Plans:
- Manufacturer and reference: British Gypsum MF system.
- Structural support: steel I-section rafters 50mm wide.
- Suspension system:

Hangers: MF8 straps at 1200mm c/c and MF12 soffit cleats bent to the required angle.

Primary grid: MF7 channels at 1200mm c/c.

Secondary grid: MF5 sections at up to 450mm c/c, fixed to primary grid with MF9 clips.

Perimeters: MF6A channel.

- Lining: British Gypsum 12.5mm wallboard.

Fixing: As clause 590.

- Acoustic sealant: As clause 515.

Primer/sealer: Gyproc drywall primer; Gyproc drywall sealer.

- Accessories: sealant, intumescent sealant, accoustic sealant, edge beads as required.

276 CASING OVER STEELS: HORIZONTAL AND VERTICAL:

- Framework: Galvanised steel angle section.
- Fixing: Screws.
- Lining: 1 layer 15mm Gypsum Glasroc Firecase "S".
- Finish: Plaster skim.
- Accessories: Angle bead.

BULKHEAD; formed in softwood to BS 1186; white deal; SS Grade timber; double vacuum treated; sawn unless otherwise stated; 35 x 35mm thick timber framing; fixing to concrete ; 35 x 35mm vertical and horizontal studs at 600mm centres; with Gyplath fireline foilbacked baseboard plaster slabs or equivalent; 12.7mm thick; single layer; joints staggered; tapered edges; approved jointing tape; Gypsum or equivalent filler at all joints and angles; including skim coat of Gypweld or equivalent plaster; 3mm thick; single layer; steel trowelled.

Prepare and apply one coat sealer and three coats DULUX or other equal and approved paint vinyl silk finish in selected colours; plaster base.

GENERALLY/PREPARATION

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.

375 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.

405 PLASTERBOARD GENERALLY: To BS 1230:Part 1, types 1 to 5 with exposed surface and edge profiles suitable to receive the specified finish.

FIXING/FINISHING

435 DRY LINING 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.

485 METAL SUSPENDED CEILING FRAMING:

- Install using components, accessories and methods recommended by the board manufacturer.
- Set out perimeter channels, hangers and sections to give a framework which is accurately aligned and level. Fix securely with additional framing and stiffening at upstands, partition heads, access hatches, etc. to give a stable ceiling.

515 ACOUSTIC SEALANT:

- Sealant: A type recommended by the board manufacturer.
- Location: To perimeter junctions with walls, floors, ceilings and around openings.
- Before fixing boarding, apply as a continuous bead to clean, dry, dust-free surfaces, leaving no gaps.
- After application of sealant, fill gaps greater than about 6 mm with jointing compound recommended by plasterboard manufacturer.

555 FIRE STOPPING: Seal any gaps at junctions of linings and cavity barriers with perimeter abutments, service penetrations, etc. using tightly packed mineral wool or approved intumescent sealant, to prevent penetration of smoke and flame.

560 JOINTS BETWEEN BOARDS:

- Tapered edged plasterboards: Lightly butted. Leave a 3 mm gap where cut/unbound edges occur.
- Square edged plasterboards to be finished with textured plastic compound: 3 mm gap.
- Square edged fibre reinforced gypsum boards: 5 mm gap.

- 565 VERTICAL JOINTS:
- Centre joints on studs. For partitions, ensure that joints on opposite sides of studs are staggered.
 - For two layer boarding, stagger joints between layers.
- 570 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 600 mm.
 - Ensure that edges of boards are supported by additional framing. For two layer boarding framing must support the outer layer.
- 610 FIXING PLASTERBOARD TO TIMBER SUPPORTS:
- Fix securely to all supports working from the centre of each board using the specified method of fixing at the following maximum centres:
Nails: 150 mm centres.
Drywall screws: 300 mm centres for partitions/wall linings (reduced to 200 mm at external angles where recommended by the board manufacturer) and 230 mm centres for ceilings.
 - Position fixings not less than 10 mm from bound edges, 13 mm from cut/unbound edges and not less than 6 mm from the edge of the timber support.
 - Type and length of fixings as recommended in BS 8212, section 2.2.3, unless specified otherwise.
- 620 FIXING PLASTERBOARD WITH ADHESIVE DABS
- Setting out boards: Accurately aligned and plumb.
 - Adhesive dab spacings: Apply grid of adhesive dabs to background for each board as follows:
 - Horizontally: One row along top edge and one continuous dab along bottom edge.
 - Vertically: One row along each edge and thereafter at intermediate spacings to suit size of board:
- | Thickness (mm) | Width (mm) | Dab centres (mm) |
|----------------|------------|------------------|
| 9.5 | 1200 | 400 |
| 9.5/12.5 | 900 | 450 |
| 12.5 | 1200 | 600 |
- Adhesive dab dimensions (width x length): At least 50 - 75 mm x 250 mm.
 - Position of dabs from edges/ ends of boards (minimum): 25 mm.
 - Fixing: Press boards firmly against dabs to secure.
 - Temporary supports: Provide under bottom edge of boards until dabs have set.
- 625 FIXING INSULATION BACKED PLASTERBOARD WITH ADHESIVE DABS
- Fixing to background: In addition to adhesive dab fixings (clause 620), secure boards with nailable plugs in locations recommended by board manufacturer.
- 680 SKIM COAT PLASTER FINISH:
- Manufacturer and reference: Gypsum multifinish
Thickness: 2 – 3 mm.
 - 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.

REVISIONS: