



FRANKHAM

**BASEPOINT BUSINESS PARK, TILBURY
THURROCK COUNCIL**

**RIBA STAGE F1 SPECIFICATION
CEILINGS**

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K10 Plasterboard Ceilings

To be read with Preliminaries/ General conditions.

- 220 1 HOUR FIRE RESISTANT PLASTERBOARD CEILINGS TO INDUSTRIAL UNITS EXCLUDING PLANT & SERVICE ROOMS GF41 & GF42
Locations: As shown on the Architect's Drawings
Manufacturer: British Gypsum Ltd, East Leake, Loughborough, Leicestershire, LE12 6JT (T: 08705 456123).
Product reference: 'Fireline' Fire Resistant Plasterboard.
Initial Backing Board: 12.5mm thick square edged 'Fireline' British Gypsum plasterboard
Second Finishing Board: 12.5mm thick tapered edge 'Fireline' British Gypsum plasterboard with taping & filling.
Finishing: Prepared for painting in accordance with manufacturer's recommendations.
Perimeter Trim: As shown on Architect's Drawings.
Fixing: Proprietary British Gypsum screw fixings back to 200mm x 50mm CS4 timber floor joists over.
Insulation: None.
Void Depths: Refer to Architect's Drawings.
Integrated services fittings: Refer to Services Engineers Drawings.
- 221 1 HOUR FIRE RESISTANT PLASTERBOARD CEILINGS TO PLANT & SERVICE ROOMS GF41 & GF42
Locations: As shown on the Architect's Drawings.
Manufacturer: British Gypsum Ltd, East Leake, Loughborough, Leicestershire, LE12 6JT (T: 08705 456123).
Product reference: 'Fireline' Fire Resistant Plasterboard.
Initial Backing Board: 12.5mm thick square edged 'Fireline' British Gypsum plasterboard
Second Finishing Board: 12.5mm thick tapered edge 'Fireline' British Gypsum plasterboard with taping & filling.
Finishing: Prepared for painting in accordance with manufacturer's recommendations.
Perimeter Trim: As shown on Architect's Drawings.
Fixing: Proprietary British Gypsum screw fixings back to 200mm x 50mm CS4 timber mini roof joists over.
Insulation: None.
Void Depths: Refer to Architect's Drawings.
Integrated services fittings: Refer to Services Engineers Drawings.

GENERAL/ PREPARATION

- 305 COMPLIANCE WITH PERFORMANCE REQUIREMENTS
Testing/ Assessment: Submit UKAS accredited laboratory reports for all ceilings.
Materials, components and details: As used in testing/ assessment reports. If discrepancies arise, give notice.
- 395 CONTROL SAMPLES
General: Complete areas of finished work and obtain approval of appearance before proceeding.
Ceilings – see below.
Location/ Size:
Typical room with plasterboard ceiling

INSTALLATION

- 445 CEILINGS
Two layer boarding: Stagger joints between layers.

- 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.
- 590 FIXING PLASTERBOARD TO METAL FRAMING
Fix securely and firmly at the following centres (maximum):
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.

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: 2 mm.
External angles:
Permissible deviation (maximum) for both faces: 2 mm.
Internal angles:
Permissible deviation (maximum) for both faces: 2 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 on all standard BG wallboards & Rigidur, with priming required on Rigidur sheets with British Gypsum Thistle GypPrime.
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.
- 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.

M60 Painting/clear finishing

To be read with Preliminaries/General conditions.

COATING SYSTEMS

- 110 EMULSION PAINT TO ALL PLASTERBOARD CEILINGS EXCEPT IN WC AREAS AND PLANT & SERVICE ROOMS GF41 & GF42

Manufacturer: ICI Paints, Wexham Road, Slough, SL2 5DS (T: 08444 817817).

Product reference: Diamond Matt Emulsion.

Surfaces: Plasterboard.

Preparation: As recommended by manufacturer.

Initial coats: Thinned Dulux Diamond Matt.

Number of coats: One.

Undercoats: Dulux Diamond Matt.

Number of coats: One.

Finishing coats: Dulux Diamond Matt.

Number of coats: One.

Colour: Pure White.

- 112 EMULSION PAINT TO PLASTERBOARD CEILINGS IN WC AREAS AND PLANT & SERVICE ROOMS GF41 & GF42

Manufacturer: PPG Architectural Coatings UK Limited, Huddersfield Road, Birstall, Batley, West Yorkshire, WF17 9XA (TEL: 01924 354354)

Product reference: Acrylic Durable Eggshell.

Surfaces: Plasterboard.

Preparation: As recommended by manufacturer.

Initial coats: Thinned Acrylic Durable Eggshell..

Number of coats: One.

Undercoats: Acrylic Durable Eggshell.

Number of coats: One.

Finishing coats: Acrylic Durable Eggshell..

Number of coats: One.

Colour: Pure White.

GENERALLY

- 215 HANDLING AND STORAGE

Coating materials: Deliver in sealed containers, labelled clearly with brand name, type of material and manufacturer's batch number.

Materials from more than one batch: Store separately. Allocate to distinct parts or areas of the work.

- 220 COMPATIBILITY

Coating materials selected by contractor:

Recommended by their manufacturers for the particular surface and conditions of exposure.

Compatible with each other.

Compatible with and not inhibiting performance of preservative/fire retardant pre-treatments.

- 280 PROTECTION

'Wet paint' signs and barriers: Provide where necessary to protect other operatives and general public, and to prevent damage to freshly applied coatings.

- 300 CONTROL SAMPLES

Prepare sample areas of all finished work, including preparation, in advance of the remainder.

Approval of appearance: Obtain before commencement of general coating work.

320 INSPECTION BY COATING MANUFACTURERS

General: Permit manufacturers to inspect work and take material samples.

PREPARATION

400 PREPARATION GENERALLY

Standard: In accordance with BS 6150.

Suspected existing hazardous materials: Prepare risk assessments and method statements covering operations, disposal of waste, containment and reoccupation, and obtain approval before commencing work.

Preparation materials: Types recommended by their manufacturers and the coating manufacturer for the situation and surfaces being prepared.

Substrates: Sufficiently dry in depth to suit coating.

Dirt, grease and oil: Remove. Give notice if contamination of surfaces/ substrates has occurred.

Surface irregularities: Remove.

Joints, cracks, holes and other depressions: Fill flush with surface, to provide smooth finish.

Dust, particles and residues from preparation: Remove and dispose of safely.

Water based stoppers and fillers:

Apply before priming unless recommended otherwise by manufacturer.

If applied after priming: Patch prime.

Oil based stoppers and fillers: Apply after priming.

APPLICATION

711 COATING GENERALLY

Application standard: In accordance with BS 6150, clause 9.

Conditions: Maintain suitable temperature, humidity and air quality during application and drying.

Surfaces: Clean and dry at time of application.

Thinning and intermixing of coatings: Not permitted unless recommended by manufacturer.

Overpainting: Do not paint over intumescent strips or silicone mastics.

Priming coats:

Thickness: To suit surface porosity.

Application: As soon as possible on same day as preparation is completed.

Finish:

Even, smooth and of uniform colour.

Free from brush marks, sags, runs and other defects.

Cut in neatly.