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## **Primrose Hill Primary ARP**

**1161**

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K40 Demountable suspended ceilings

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**K40 Demountable suspended ceilings**

To be read with Preliminaries/General conditions.

**TYPES OF CEILING SYSTEM****115A UNIT/ MODULAR SUSPENDED CEILING SYSTEM Baffles**

- Standard: To BS EN 13964.
- Evidence of compliance: All ceilings kits to be CE marked. Submit Declaration of Performance (DoP).
- Ceiling system manufacturer: Ecophon or equal and approved.
  - Product reference: Solo Baffles
  - Colour: White Frost (standard) .
- Ceiling:
  - Infill units: n/a.
  - Ceiling module: 1200x600x40mm.
  - Soffit height above finished floor level: TBA onsite.
- Fixing: 110 mm using suspended installation
  - Other requirements: Insulation as manufacturer's recommendations.

**GENERAL/ PERFORMANCE****205 COMPLIANCE WITH PERFORMANCE REQUIREMENTS**

- Testing/ assessment: Submit UKAS accredited laboratory reports for the following: Fire performance.
- Materials, components and details: Use those used in the test and identified in the assessment reports. If discrepancies arise, give notice.

**230 ACOUSTIC PERFORMANCE**

- Sound absorption to BS EN ISO 11654: Class A.
- Sound attenuation: Dnf, w (minimum) to BS EN ISO 717-1: TBC by Acoustician.
- Other acoustic requirements: TBC by Acoustician.

**COMPONENTS****245 STANDARDS**

- Steel panels: To BS EN 10346.
- Aluminium sheet, strip and plate: To BS EN 485-1 and -2.
- Aluminium bars, tubes and sections: To relevant parts of BS EN 515, BS EN 573, BS EN 755 and BS EN 12020.

**EXECUTION****302 CONTROL SAMPLES**

- General: Complete areas as part of the finished work in the following locations: TBA onsite with Architect.
- Approval: Obtain before completing areas of similar work.

**305 SETTING OUT**

- General: Completed ceiling should present, over the whole of its surface exposed to the room below, a continuous and even surface, jointed (where applicable) at regular intervals.
- Infill and access units, integrated services: Fitted correctly and aligned.
- Edge/ perimeter infill units size (minimum): Half standard width or length.
- Corner infill units size (minimum): Half standard width and length.
- Grid: Position to suit infill unit sizes. Allow for permitted deviations from nominal sizes of infill unit.
- Infill joints and exposed suspension members: Straight, aligned and parallel to walls, unless specified otherwise.
- Suitability of construction: Give notice where building elements and features to which the ceiling systems relate are not square, straight or level.

**315 PROTECTION**

- Loading: Do not apply loads for which the suspension system is not designed.
- Ceiling materials: When necessary, remove and replace correctly using special tools and clean gloves, etc. as appropriate.

**320 TOP FIXING**

- Building structure: Verify suitability.
- Structural soffit: Existing timber joists at nominal centres.
  - Suitability to receive specified fixings: Evaluate and confirm.
- Fixing generally: In accordance with BS EN 13964.
- Fixing to:
  - Concrete: Drill and insert suitable expanding anchors.
  - Aerated concrete: Fix through from the top of concrete units and provide a system of primary support channels.
  - Structural steel: Drill, or use suitable proprietary clips/ adaptors.
  - Metal roof decking: Fix to sides of liner tray corrugations.
  - Timber: Fix to side of joists at least 50 mm from bottom edge. If ceiling system is intended for fire protection, fix into top third of joists.
  - Hollow structural members: Submit fixing proposals.

**325 INSTALLING HANGERS**

- Wire hangers: Straighten and tension before use.
- Installation: Install vertical or near vertical, without bends or kinks. Do not allow hangers to press against fittings, services, or insulation covering ducts/ pipes.
- Obstructions: Where obstructions prevent vertical installation, either brace diagonal hangers against lateral movement, or hang ceiling system on an appropriate rigid sub-grid bridging across obstructions and supported to prevent lateral movement.
- Extra hangers: Provide as necessary to carry additional loads.
- Fixing:
  - Wire hangers: Tie securely at top with tight bends to loops to prevent vertical movement.
  - Angle/ strap hangers: Do not use rivets for top fixing.
- Spacings: As manufacturer's recommendations.

**395 INTEGRATED SERVICES**

- General: Position services accurately, support adequately. Align and level in relation to the ceiling and suspension system. Do not diminish performance of ceiling system.
- Small fittings: Support with rigid backing boards or other suitable means. Do not damage or distort the ceiling.
  - Surface spread of flame rating of additional supporting material: Not less than ceiling material.
- Services outlets:
  - Supported by ceiling system: Provide additional hangers.
  - Independently supported: Provide flanges to support ceiling system.

**COMPLETION**

530 SPARES

- General: At Completion supply the following: 2 baffles for ceiling system K40/115A.