

K41

Raised access floors

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To be read with Preliminaries/ General conditions.

TYPES OF RAISED ACCESS FLOOR

131A RAISED ACCESS FLOOR ROOMS ADJACENT TO RISER 4.1 GROUND TO FOURTH FLOOR

- Manufacturer: JVP or similar and approved .
- Subfloor: Beam and pot .
 - Preparation: Apply dustproofing sealer as clause 431 .
- Floor panels: 600 x 600mm JVP 4 x 4 Medium Grade .
 - Accessibility: Full .
- Pedestals: JVP C20 .
- Structural grade/ performance: PSA MOB PF2 PS/SPU - Medium Grade .
 - Finished raised access floor height above subfloor: Nom 80mm .
 - Under-floor void height: 50 .
 - Limits on maximum and minimum heights: Not applicable. .

Floor covering:

Integral Noraplan rubber tile to Ground, First and Second floors - colour and design TBA

No covering to Third and Fourth floors .

GENERAL/ PERFORMANCE

219 GENERAL PERFORMANCE

- Completed installation: Clean and stable. Free from bounce and vibration. No lipping between floor panels.

INSTALLATION

421 PREPARATION

- Cleanliness: Clean before installation and keep clean during installation.
- Setting out: Before installation of services, indelibly mark pedestal positions.
- Fixtures: Before installation, complete the fixtures which floor panels are to be cut around or which supports are to bridge.
- Bridging structures - supplementary supports: N/A .

431 DUSTPROOFING

- Sealer: Colour tinted. Recommended by raised access floor manufacturer. Compatible with materials used to pack and/ or fix pedestals.
- Sealing:
 - Extent: Concrete and masonry surfaces within raised access floor void .
 - Preparation: Surfaces to be sealed must be clean, dry and free from dust, grease and other contaminants.
 - Number of coats: Two.
 - First coat: Apply before pedestals are erected.
 - Second coat: Different tint to first coat. Apply after completion of services and other associated work.

435 CUT FLOOR PANELS

- Size (minimum): Half full width x half full length.
- Burrs and rough edges: Make smooth.
- Edge sealer: Class 0 spread of flame rated aluminium foil self adhesive tape.
- Edge sealing: Seal exposed cut edges of floor panels that have moisture sensitive or combustible cores.

445A PERIMETERS

- Expansion gaps:
 - Size: 10 mm.
 - Location: At abutments.
- Expansion gap filling:
 - Filler type: Resilient closed cell fire resisting.
 - Filling: Before fixing skirtings and cover strips.

455B LEVEL CHANGES

- Ramps and steps:
 - Performance: Match performance of associated raised access floor.
 - Proposals: Submit details.

465 ELECTRICAL CONTINUITY AND EARTH BONDING

- Substantial metal parts of raised access floor: Electrically continuous and fully earth bonded.
 - Standard: To BS 7671.
 - Bonding methods: Submit proposals.
 - Earthing methods: Submit proposals.
- Rooms used for electronic data processing equipment: Throughout.
- Earth bonding connection points: Determine number and location. Provide connectors.
- Total resistance of earth fault loop (maximum): Resistance required to operate earth fault protection devices to BS 7671.
- Electrical continuity and earth bonding tests:
 - General: Test complete raised access floor.
 - Points for testing: Randomly selected pedestals, stringers, tops and bottoms of floor panels.

COMPLETION**510 TOOLS**

- Floor panel lifting devices: At completion, supply one set of suitable devices for each type of raised access floor finish installed. Train designated personnel in their use.
- Pedestal locking: At completion, supply one set of tools for releasing pedestal locking.

515 USER INSTRUCTIONS

- **Manual contents:** Include the following:
 - **Correct method for lifting and replacing floor panels and stringers.**
 - **Servicing:** Limitations on sequence, number and positions of floor panels and stringers that can be removed safely at one time.
 - **Permissible loads:** With guidance on use of spreader plates when shifting heavy equipment and subsequent maintenance.
 - **Methods for installing cabling and ducts,** to prevent damage to supporting structure.
 - **Cleaning methods:** For floor panels and integral finishes.
 - **Floor panel covering renewal:** Method for replacement of integral floor panel coverings.
 - **Pedestal adjustment and locking.**
 - **Maintenance:** Recommended methods and frequency. Minimum maintenance-free life of raised access floor system. Minimum maintenance-free life of replaceable parts where this differs from that of the whole system. Minimum period during which replaceable components will be available.
 - **Installation instructions, including COSHH Assessment.**

525 CLEANING

- **Subfloors:** At completion, thoroughly clean accessible areas of subfloors and leave free of dust and debris.
- **Raised access floor:** Before delivery of items carried by floor, clean thoroughly.