

Access Floor Specifications

RAISED ACCESS FLOORS

ENVIRONMENTAL CONDITIONS

- Ø Areas for storage and installation must be clean, dry, ventilated and free from both excessive or rapid variations of temperature and humidity.
- Ø Subfloor temperatures must be maintained above 5°C.

DUSTPROOFING

- Ø Ensure that surfaces to be sealed are clean, dry and free from dust, grease and other contaminants.
- Ø Apply two coats of tinted sealer, recommended by the raised access floor manufacturer, to all concrete and masonry surfaces within the floor void to prevent dusting throughout the life of the installation.

WORKMANSHIP GENERALLY

- Ø Store and install floor components in dry, well ventilated conditions not subject to extremes of temperature of humidity.
- Ø Ensure that the sub-floor is clean before installation commences and that cleanliness is maintained throughout the installation.
- Ø Install the floor, accessories, finishes, etc., to achieve specified levels of performance.
- Ø The completed installation to be level, stable, firm and free from bounce, squeaks and vibration between panels.
- Ø Adequately protect from dirt, stains, damage and overloading until Practical Completion.

PEDESTAL STRUCTURE AND FIXING TESTS

- Ø Test pedestals to MOB PF2 PS/SPU, test T42.00 to prove the need or otherwise for mechanically fixing to the sub-floor and for site quality control.

- Ø Where an adhesive fixing fails as a result of sub-floor failure, arrange for the Main Contractor to make good the sub-floor. Re-fix using mechanical fixings and re-test.
- Ø If any pedestal structure fails, replace the pedestal and re-test.

SETTING OUT

- Ø Where not shown otherwise, set out floor system to ensure that cut panels are not less than half in width, particularly at doorways, thresholds, etc.

SEALING OF CUT PANELS

- Ø Seal all exposed cut edges of panels which incorporate moisture sensitive or combustible cores with Class 0 rated aluminum foil self-adhesive tape.

PERIMETERS

- Ø Ensure that the installed system has sufficient lateral stability to enable it to be independent of abutting elements.
- Ø Provide a 10mm expansion gap at all abutments and fill with a resilient closed cell filler before fixing skirtings, cover strips, etc.

CAVITY BARRIERS

- Ø Material: PVC sleeved mineral wool.

Fire resistance to BS 476 Part 20.

Integrity / insulation (minutes): 30 minutes.
- Ø Unless shown otherwise, install barriers to subdivide floor void into areas not exceeding 20m square.
- Ø Fix securely to sub-floor, at joints and as necessary to ensure permanent stability and continuity with no gaps, to provide an effective barrier to smoke and flame.
- Ø Seal any gaps at junctions of cavity barriers with floor panels, walls, ducts, pipes, cable trays, etc., with mineral wool or other suitable material to prevent penetration of smoke and flame.
- Ø Access panels above cavity barriers to be screwed down or otherwise firmly secured.

ELECTRICAL CONTINUITY AND EARTH BONDING

- ∅ All substantial metal parts of the floor to be electrically continuous and fully earth bonded in accordance with BS 7671 (The IEE Wiring Regulations).
- ∅ Liaise with the electrical subcontractor to agree the number and location of earth bonding connection points. Supply connectors as necessary for use by the electrical subcontractor.

TESTING ELECTRICAL RESISTANCE

- ∅ Arrange for a qualified electrician to test the floor to verify compliance with MOB PF2/SPU, clause P9.01. Notify the CA to enable him to witness the testing. Submit a test report to the CA.

PROTECTION

- ∅ Ensure that no part of the floor installation is:
 - ∅ Used as a platform for storage of equipment and materials.
 - ∅ Subjected to static or dynamic loads which exceed those for which it is designed. Adequate precautions, including the use of spreader plates, must be taken during installation of equipment and any work on other elements e.g. ceilings.
 - ∅ Walked on within 48 hours following the use of adhesives to fix pedestals to the sub-floor.
 - ∅ Left unprotected prior to Practical Completion.

PANEL LIFTING DEVICES

- ∅ Provide Main Contractor with two sets of lifting devices suitable for each of the floor finishes installed. One set to be for the use of subcontractors requiring access to the void and the other for handing over to the CA at Practical Completion.

USER INSTRUCTIONS

- ∅ Provide the Main Contractor with two copies of the floor manufacturer's maintenance and user instructions. The contents of the instructions to include:

- Ø The correct method for lifting and replacing panels including limitations on the sequence and number of panels which can be removed at one time.
- Ø The permissible loadings that can be applied to the floor, with guidance on the use of spreader plates, etc., during the installation of equipment and subsequent maintenance.
- Ø Methods for installing cabling, ducts, etc. so as to prevent damage to the supporting structure.
- Ø Cleaning methods for the panels and any integral finishes