

Spacia Access Installation and Maintenance Instructions (Issue 2)

Intended Use

- Spacia Access is recommended for use over properly prepared concrete, suspended wood, raised access floors, metal and other suitable substrates.
- In most cases Spacia Access should be installed with Amtico International Tackifier (exceptions may apply).
- Spacia Access is particularly suitable for use in temporary installations or where tiles may need to be removed to allow access underneath raised access floor panels.
- Spacia Access is not suitable for use with under-floor heating systems.
- The product should not be installed in unheated rooms or exterior locations. It is recommended that the floor should not be allowed to cool below (55°F) during its service life.

Caution: When kept clean and dry, Spacia Access floors have excellent slip resistant properties. However, in common with other smooth floor coverings, water, other liquids, grease, or other contaminants on the surface of the floor can make them slippery. Overspray from furniture polish and other spray products should be avoided as they can cause slippery floors.

Pre Installation

Check the quantities, color and batch numbers before beginning the installation. Boxes of Spacia Access tiles should be removed from pallets and separated from one another as part of the acclimation process. In new-build installations, ensure that the heating/air conditioning is fitted and operating. Tiles, adhesive/tackifier and subfloor must be allowed to stabilize to a constant temperature between (64-81°F) for a period of at least 24 hours before, during and after installation. If extreme temperature conditions exist, then it is recommended that acclimation is increased to 48 hours. Spacia Access tiles must be stored flat and kept away from direct sunlight, heaters or air vents for proper conditioning.

General Subfloor Preparation

The subfloor must be hard, smooth, dry, free from undulation and level. Bring high spots level and fill low spots using a high quality and appropriate smoothing compound. The floor should only be installed if the subfloor is sufficiently dry as per (ASTM F2170) showing a reading of less than 80% relative humidity or a maximum of 5 lbs MVER (ASTM F1869). Prime porous subfloors using Tackifier applied according to the instructions on the container label. Allow to dry before applying final coat of Tackifier.

- **Concrete Subfloor:** Existing concrete floors must be cleaned of all paint, grease, wax and any other foreign matter and must be free of concrete additives such as curing compounds, sealers etc. Solvents or other chemicals must not be used to remove existing adhesive residues. Any surface irregularities or imperfections must be corrected prior to installation.
- **Ceramic/Terrazzo/Stone Floors:** Inspection should be carried out to ensure that all flooring is securely bonded. Any loose flooring must be removed, filled and levelled. Also fill and level grout lines with a quality smoothing compound.
- **Existing Resilient Floors:** Spacia Access tiles can be installed over existing resilient flooring, provided the surface is cleaned of all contamination, including polish. Inspection should be carried out to ensure that the existing flooring is securely fixed. Any loose flooring must be secured.
- **Wood Floors:** Wooden subfloors must be stable and solidly fixed; fill all joints and smooth any rough areas. It is recommended that they are then overlaid with 1/4" underlayment grade plywood, installed to manufacturers instructions. Plywood will require priming.
- **Raised Access Floors:** Careful preparation is essential for proper floor appearance and installation. Ensure raised access panels are firm, level, smooth, clean, dry and free from defects. Manufacture of raised access panels should be in accordance with EN12825 (or equivalent) and installation requirements must meet the following standards;
 - Height differences between adjacent panels must not exceed 0.75mm
 - Gaps between panels should not exceed 1mm
 - Overall floor to be level within +/- 1.5mm over a 5m length

Unstable, uneven or damaged panels should be suitably repaired or replaced prior to installation. If the panels are dished, we recommend a suitable slump-free smoothing compound, compatible with metal access panels is used. This may require priming of the panels. Tile joints should not coincide with the joints of the raised access panels – see figures 1 and 2 for advice on positioning of first tile. This will ensure no irregularities show through the surface of the finished floor and the Spacia Access tiles are adequately adhered.

Installation

Tackifier should be applied according to the instructions on the container label, and allowed to dry to a clear tacky film, which could take 30 minutes or longer depending on site conditions, before placing the tiles. This method should be used particularly when installing over raised access floors and temporary floors, where the Spacia Access tiles may need to be removed at some point. When placing perimeter tiles into position it is recommended that they are cut Net to size such that tiles can be installed without having to apply pressure or force them into place. Tiles requiring hand-cutting must be cut such that edges are vertical. This will prevent tile edges from lifting after installation.

Some customers may prefer to bond Spacia Access tiles permanently. This option is also recommended for some installations - see notes below for more information.

Whatever method is chosen, on completion of the installation, roll the floor in two directions at right angles to each other using a 100 lb roller with overlapping passes to ensure good contact between tiles, adhesive and substrate.

NOTE THE FOLLOWING IN REFERENCE TO INSTALLATION AND USE OF SPACIA ACCESS FLOORS

- Do not install Spacia Access tiles until the subfloor is properly prepared and the work of all other trades is complete.
- In those areas subject to extreme temperature variance, for example, floors exposed to direct sunlight or rooms without air conditioning, it is recommended that Amtico Universal 2-Part Adhesive be used to install tiles.
- Permanent bonding of tiles using Amtico Universal 2-Part Adhesive should also be used in those areas subject to high rolling loads.
- The pre-installation conditions defined above are important in ensuring a good installation.
- The surface temperature of the tile should not exceed (81°F) as temperatures above this can cause discoloration.
- In locations where there are large external windows, it is recommended that the heating effect of sunlight is minimized by the use of external canopies or by fitting thermal reflection film to windows.
- Use non-staining matting system at exterior doors that is appropriate for soil load and weather conditions.
- Felt pads or furniture cups should be used under all furniture legs. Do not drag or slide objects across the floor.
- Spacia Access tiles are not suitable for cleaning using an auto scrubber-drier unless permanently adhered.
- Dressings should not be applied to Spacia Access tiles unless they have been permanently adhered.
- Tesselation (quarter-turn) is required for all **square format** tiles, including wood designs.

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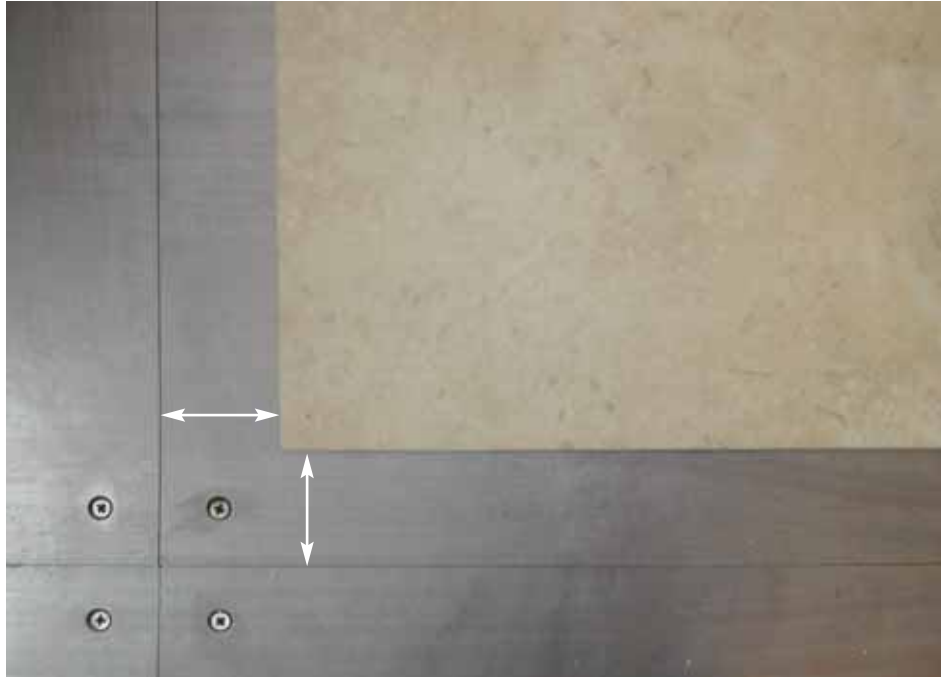


Figure 1:
Location of 450 x 450mm tile, which must be offset from either edge of a raised access to prevent joints from coinciding with each other.

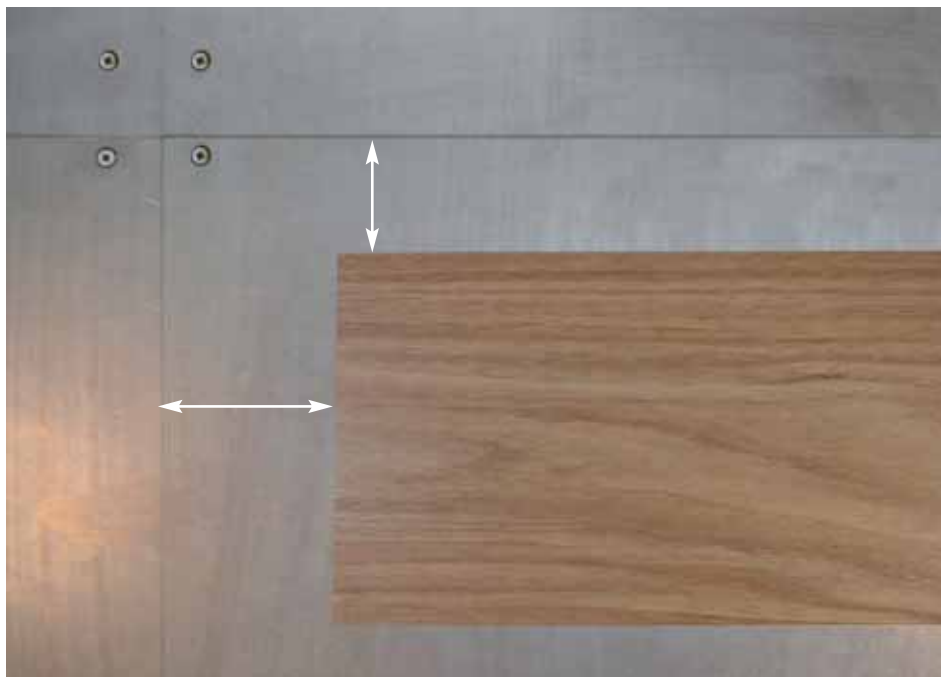


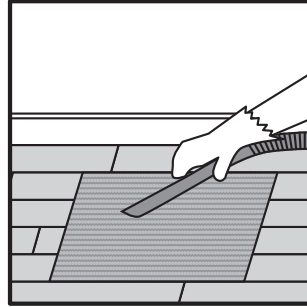
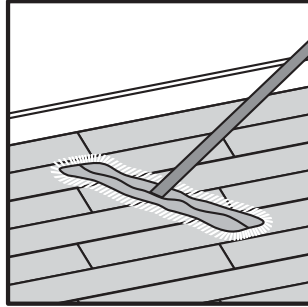
Figure 2:
Location of wood plank, which must be offset by from edges of a raised access panel to prevent joints from coinciding with each other.

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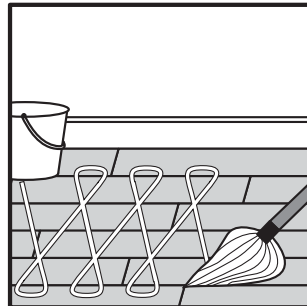
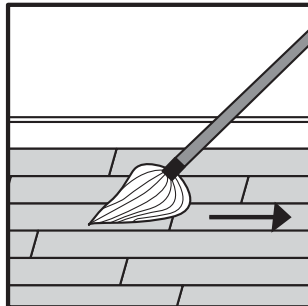
All floors should be swept and dust mopped daily. In most cases, cleaning by manual mopping should be adequate, but spray cleaning may be required to remove heavier surface marking. Warning signs should be used to advise people that cleaning is in progress.

Routine Cleaning

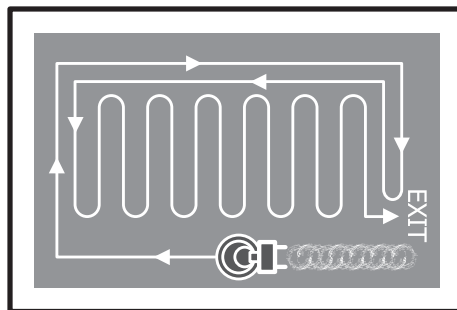
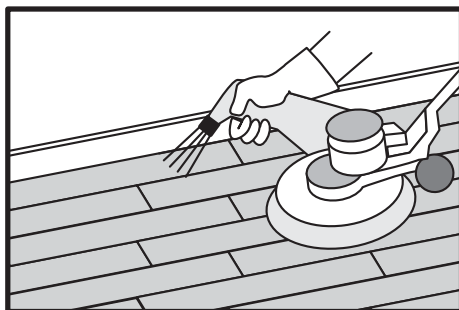
- Immediately: Wipe up all spills and thoroughly clean area with a properly diluted solution of neutral pH cleaner.
- Daily Sweeping and Dust Mopping: Dust Mop, Sweep or Vacuum the floor and thoroughly clean all entry and interior matting systems.



- Daily or as needed Wet Cleaning: Damp Mop or Machine Clean the floor using one of the wet cleaning options listed below - a micro-fibre mop may be used if preferred: (Do not flood floor). Rinse the floors thoroughly allow the surface to completely dry and remove safety signs when finished.
- o Manual Mopping: Manual mopping will remove soiling and the majority of surface marking.
 - Prepare a correctly diluted solution of neutral pH cleaner.
 - Using a two-bucket mopping system, apply a solution using a well wrung mop: (Do not flood floor).
 - Rinse the mop frequently and change the solution as necessary.



- o Spray Cleaning: Spray cleaning can be used for light soil removal and removal of scuff marks. If the floor is heavily soiled it may be appropriate to carry out an initial manual clean with mop and bucket (Do not flood floor).
 - Pour correctly diluted neutral pH cleaner or cleaner maintainer into a spray container.
 - Apply a fine mist of liquid on to an area of approximately 20 square feet (2 square metres) at a time.
 - Use a rotary buffing machine (approx. 450rpm) fitted with a red 3M nylon pad (or equivalent).



Note

- Spacia Access floors are not suitable for cleaning using a scrubber drier, unless tiles are permanently adhered to the substrate.
- Dressings should not be applied to Spacia Access floors unless they have been permanently installed.