

Spacia Access Installation & Maintenance Instructions (Issue 2)

Intended Use

- Spacia Access is particularly suitable for use in temporary installations or where tiles may need to be removed to allow access to floor panels.
- In most cases Spacia Access should be installed with Amtico International Tackifier, exceptions will apply - see notes below.
- Spacia Access is recommended for use over properly prepared concrete, suspended wood, raised access floors, metal and other suitable substrates.
- Spacia Access is not suitable for use with under-floor heating systems unless permanently adhered with the recommended Amtico International Adhesive.
- 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 13°C (55°F) during its service life.

Pre Installation: Check the quantities, colour 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: alternatively, temporary heating or cooling may be used to maintain a constant temperature within the specified range. Tiles, adhesive/tackifier and subfloor must be allowed to stabilise to a constant temperature between 18°C-27°C (64-81°F) for a period of at least 24 hours before, during and after installation. If tiles and adhesive/tackifier have been stored outside of this temperature range, then it is recommended that acclimation between 18°C-27°C (64-81°F) 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: Careful preparation is essential for excellent floor appearance and good tile adhesion. 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. In the UK, the floor should only be installed if the subfloor is sufficiently dry as per BS8203 showing a hygrometer reading less than 75% relative humidity (RH); in the USA, a hygrometer reading of less than 75% (ASTM F2170) or a maximum of 5 lbs MVER (ASTM F1869). The use of a primer may be required on porous sub-floors.

- **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 an appropriate smoothing compound.
- **Existing Resilient Floors:** Spacia Access tiles can be installed over existing resilient flooring, provided the surface is cleaned of all contamination, including dressing. Inspection should be carried out to ensure that the existing flooring is securely fixed. Any loose flooring must be secured.
- **Wood Floors:** Wooden sub-floors must be stable and solidly fixed; fill all joints and smooth any rough areas. It is recommended that they are then overlaid with minimum 6 mm (1/4") exterior or underlayment grade plywood, installed to manufacturers instructions. Plywood may require priming.
- **Raised Access Floors:** 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;-
 - Lipping of panels must not exceed 0.75mm
 - 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 poor quality panels should be suitably repaired or replaced prior to installation. Where a height difference exists between panels or if they 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 minimise the possibility of irregularities showing through the surface of the finished floor and ensure that the Spacia Access tiles are adequately adhered.

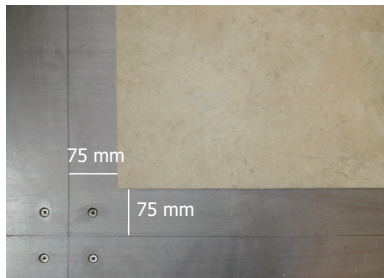


Figure 1:
Location of 450 x 450mm tile,
which must be offset by 75 mm
from either edge of a raised
access panel



Figure 2:
Location of 1000 x 150mm tile,
which must be offset by 75 mm
and 100 mm from edges of a
raised access panel

Installation: Tackifier should be applied using an appropriate roller to give a coverage of 50 - 100 grams per square metre (see note below). It must be 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 in most cases, most 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 neatly 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 45 kg (100 lbs) 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.
- A 14 kg container of Amtico International Tackifier should be sufficient to install approximately 200 square metres of Spacia Access, and a 6 kg container about 90 square metres.
- In those areas subject to potentially large changes in temperature for example floors exposed to direct sunlight, particularly in rooms without air conditioning, or areas with underfloor heating it is recommended that Amtico International HT Adhesive or Universal 2-Part Adhesive is used to install tiles.
- Permanent bonding of tiles using Amtico HT or 2-Part Adhesive should also be considered 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 27°C (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 minimised 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 a 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 450 x 450 mm (17.7" x 17.7") tiles.

Amtico International Adhesives (contact your local Amtico International office for availability)

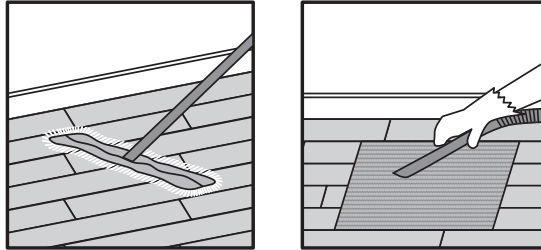
- Amtico International Tackifier: Semi-permanent installations on all subfloor types.
- Amtico International PS, SF, 373: Permanent installations in general areas (not suitable when bonding direct to metal subfloors)
- Amtico International HT, Universal 2 Part: Permanent installations with large temperature variations, underfloor heating or high rolling loads (HT not suitable when bonding direct to metal subfloors)

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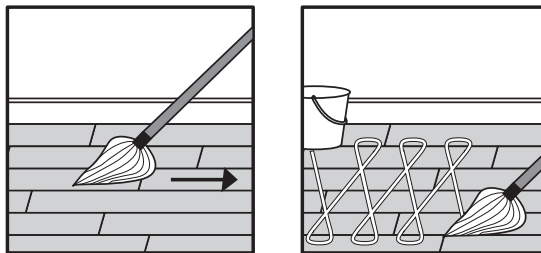
All floors should be swept and dust mopped daily. In most cases, cleaning by manual mopping should be adequate, but spray cleaning may be required to remove heavier surface marking. Warning signs should be used to advise people that cleaning is in progress.

Routine Cleaning

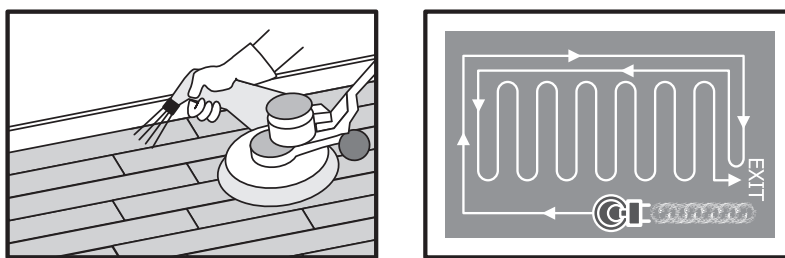
- Immediately: Wipe up all spills and thoroughly clean area with a properly diluted solution of Amtico International FloorCare Maintainer.
- Daily Sweeping and Dust Mopping: Dust Mop, Sweep or Vacuum the floor and thoroughly clean all entry and interior matting systems.



- 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. 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 Amtico International FloorCare Maintainer.
 - Using a two-bucket mopping system, apply a solution using a well wrung mop. Do not flood the floor with water.
 - 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.
 - Pour correctly diluted Amtico International FloorCare 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
- Dressings should not be applied to Spacia Access floors unless they have been permanently adhered

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.

Further information

Contact our AfterCare/Technical Support helpline on 02476 861409 (for general enquiries) or e-mail technical.support@amtico.com