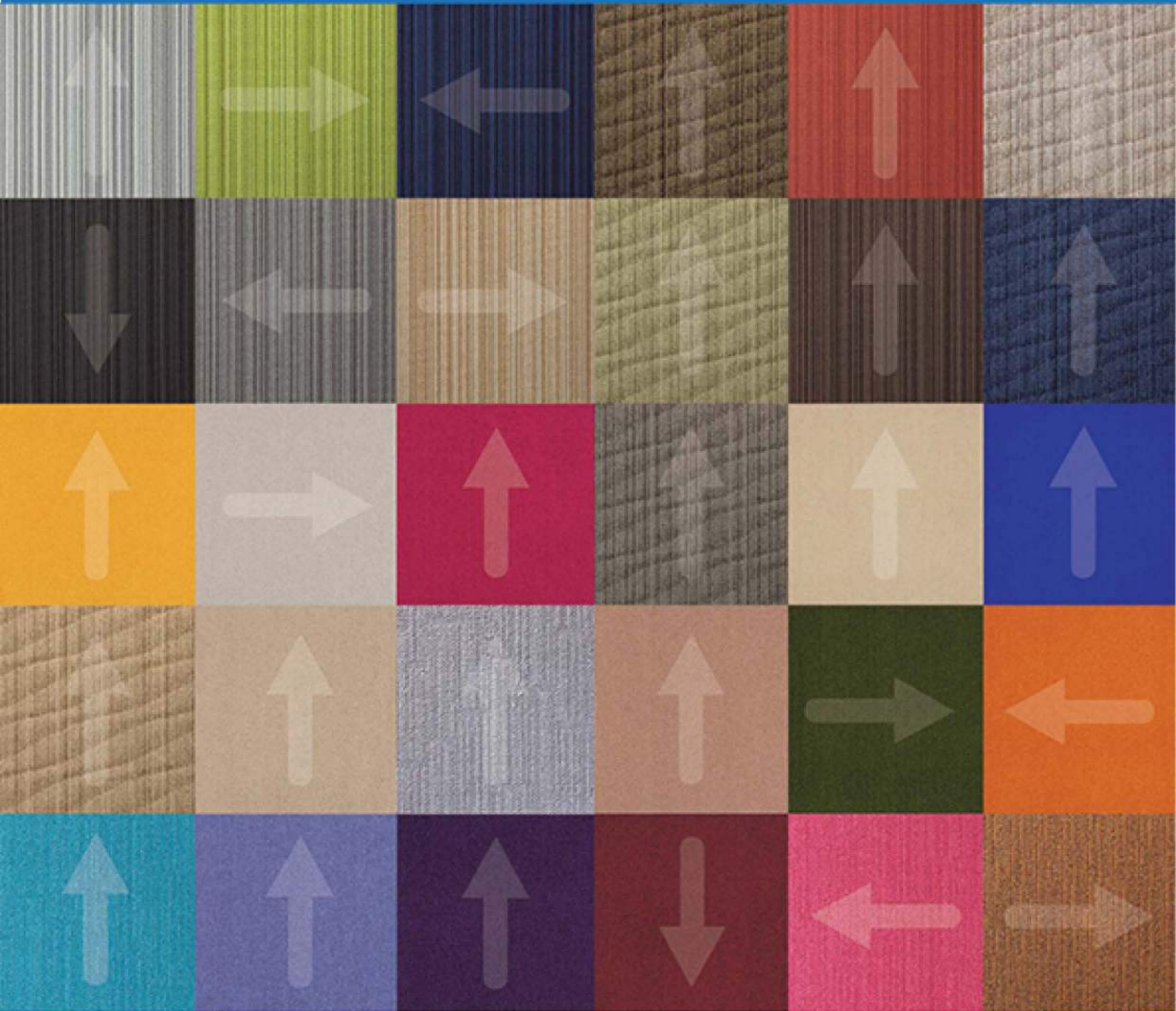


INSTALLATION INSTRUCTIONS



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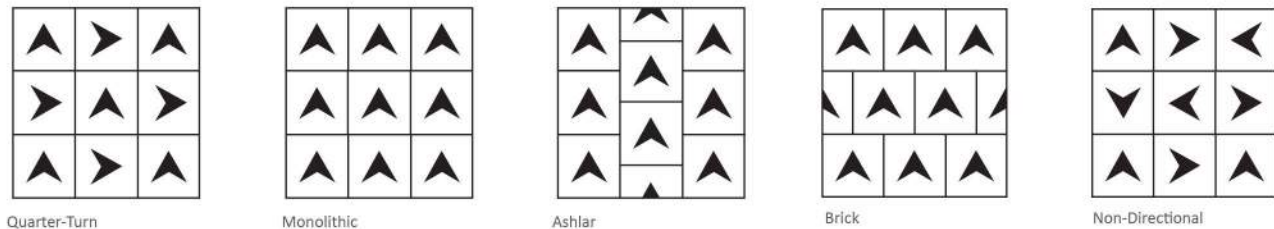
1. Preparation & Installation requirements

- 1.1 Prior to commencement, it is the responsibility of the installer to verify that the carpet tiles supplied are the correct colour, pattern, quantity and all the tiles are from the same dye lot. It is not recommended that different dye lots are used in the same area.
- 1.2 All interior decorations and fittings should be finished and permanent.
- 1.3 The installer must be familiar with the recommended installation methods (refer Figure 1 below) or if an alternative design drawing applies, the installer must ensure they understand the design plan before proceeding.
- 1.4 Before installing Nolan Carpet Tiles the installation site, carpet tile and adhesive should be in an environment between 10°C and 35°C with a relative humidity between 30% - 70%. These conditions apply 24 hours prior, during installation and 24 hours after installation.
- 1.5 Nolan Carpet Tiles should be installed in accordance with Australian standard AS/NZS 2455.2:2007 'Textile floor coverings-installation practice Part 2: Carpet Tiles'.

2. Subfloor condition and preparation

- 2.1 Subfloor preparation shall be in accordance with AS/NZS 2455.1, and the following:
 - (a) The subfloor must be rigid, clean, dry and be free of deleterious materials that may affect the carpet tiles.
 - (b) Where there is cable trunking, the finished surface must be level with the subfloor.
 - (c) The subfloor shall be tested for moisture and alkalinity as specified in AS/NZS 2455.1 and the pH level must comply with this standard.
- 2.2 If the subfloor has access panels the floor should be true and square and constructed and installed in accordance with AS 4154.
- 2.3 The subfloor must be tested for moisture and alkalinity as specified in AS/NZS 2455.1 using the In-Situ Probe method. If the test results are greater than the Australian Standards, RLA GS444 pressure sensitive carpet adhesive is recommended up to a relative humidity of 85% and a pH reading of 12.0. Refer to the RLA GS444 product data sheet for more detailed instructions.

Figure 1: Installation Methods



3. Site Set Up

- 3.1 In setting up, a point in the room shall be determined from which carpet tiles can be installed to ensure that they are laid:
 - (a) unless specified otherwise, parallel to the longest wall (see Figure 2 below);
 - (b) with not less than one-third of a carpet tile width at perimeter walls; and
 - (c) on access floors the edge of a carpet tile does not correspond with access floor panel joints.NOTE: Where practicable, there should be full tiles in doorways and high traffic areas.
- 3.2 The procedure for setting up shall be in accordance with the following and as shown in Figure 2:
 - (a) Mark a line (EF) parallel to the longest wall (AB).
 - (b) Mark point (X) along line EF at a distance to ensure that the requirements of perimeter modular

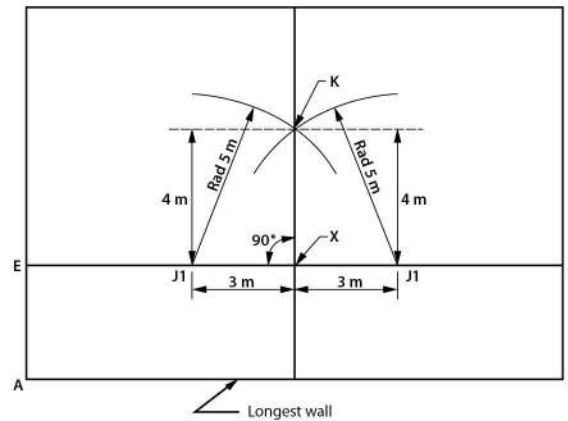
carpet tiles are a minimum of $\frac{1}{2}$ width.

(c) Mark points J1 and J2 at a distance of 3 m each side of X.

(d) At J1 and J2 scribe an arc at a distance of 5 m to establish point K where arcs intersect.

(e) Draw a line through K and X which will be 90° to line EF.

Figure 2: Method of Setting Up Carpet Tile Installations



4. Adhesive Requirements & Application

- 4.1 Nolan Carpet Tiles must only be installed using subfloor primer and pressure sensitive adhesive from a reputable adhesive manufacturer. For details of recommended adhesives contact your local Nolan branch.
- 4.2 Prime the subfloor in accordance with subfloor preparation in AS/NZS 2455.1
- 4.3 Spread pressure sensitive adhesive to 100% of the floor area by trowel, roller, brush or spray in accordance with the adhesive manufacturer's instructions. Ensure the adhesive has tacked off before proceeding with installing the tiles.
- 4.4 If the subfloor is subject to high moisture or alkalinity levels, refer to point 2.3 under subfloor condition and preparation section.

NOTE: The porosity and absorption of adhesive varies with differing subfloor conditions. It is the responsibility of the installer to ensure the application rate of product, for each specific installation is sufficient to achieve the adhesive manufacturer's recommended spread.

5. Carpet Tile Installation

- 5.1 Carpet tiles shall be fitted in a stair method as shown in Figure 3 below, and in accordance with the following:
 - (a) Lay carpet tiles in the sequence shown in Figure 3.
 - (b) Lay section GXF first, then proceed to lay tiles in the other quadrants in the same sequence commencing at access point X.
 - (c) The carpet tile must be laid as per the recommended installation methods using the directional arrows on the back of the carpet tile unless otherwise agreed by the contractor and the purchaser.
 - (d) When installing the carpet tiles, ensure that they are abutted. To ensure abutment is correct, measure carpet tiles after every 10 modules are fitted. Correct/adjust until completion.
 - (e) When installing carpet tiles using the ashlar or brick method, the laying sequence will vary slightly to accommodate the off set pattern.

Figure 3: Carpet Tile Laying Sequence

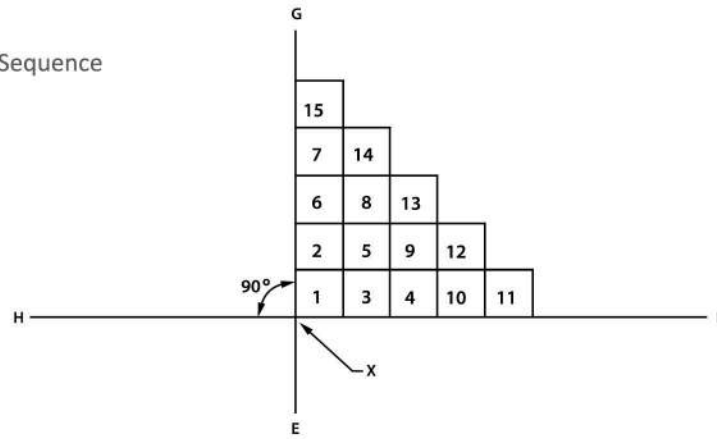


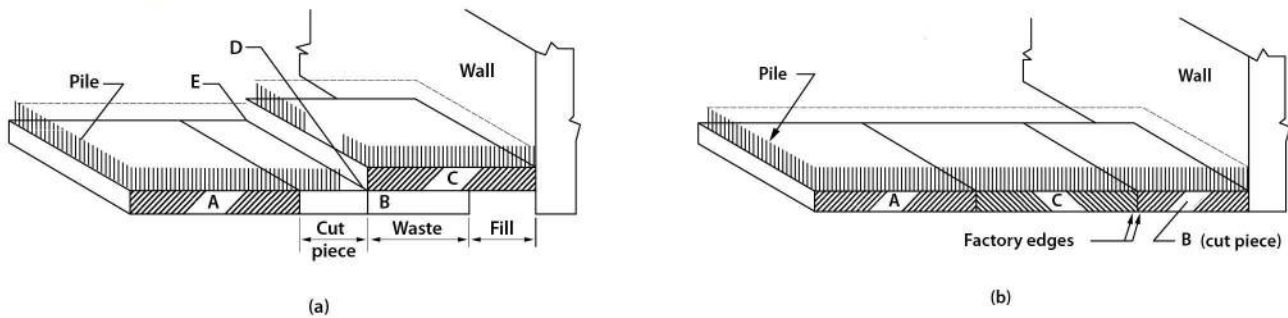
FIGURE 1 METHOD OF SETTING UP CARPET TILE INSTALLATION

6. Cutting and Finishing of the Perimeter Tiles

- 6.1 Perimeter carpet tiles shall be cut and installed as shown in Figure 4 (a & b) below, and as follows:
- Lay carpet tile C directly on top of B with pile uppermost, and edge of carpet tile C hard against the wall (see Figure 4(a)).
 - Using a sharp knife place nicks in carpet tile B at D and E (see Figure 4(a)).
 - Using a straightedge, cut from the back of the carpet tile B at DE to obtain a cut piece to be the perimeter tile.
 - Remove carpet tile C and waste from carpet tile B, and apply primer and manufacturer's recommended adhesive to the full width of the cut tile B from the perimeter wall.
 - Install carpet tile C, and install cut piece of carpet tile B with cut edge to the wall and the factory edge abutted to carpet tile C (see Figure 4(b)).

NOTE: Ensure that the adhesive has tacked up before installing the cut piece of carpet tile. After cutting modular carpet tiles, the installer is to ensure only factory edges are to meet where practical. Do not install a site cut edge to factory edges.

7. Completion of Installation



- 7.1 On completion of installing the carpet tiles, the following procedure shall apply:
- Ensure that no carpet pile is caught between the carpet tile joints and at perimeters.
 - Remove any excess adhesive and nap loose pile.
 - Vacuum the total floor area.
 - Ensure that all cut pieces are firmly fixed into position.
 - Ensure that the whole work area is cleared of tools and waste.
 - Installer to conduct a visual test of the installation appearance before leaving the site. If there are any potential issues arising, contact your local Nolan representative immediately.
 - Where required, for commercial installations, the installed carpet tiles shall be protected by a suitable material.