

# **Armstrong**Flooring™

## **INSTALLATION RECOMMENDATIONS**

### **EXCELON**

#### **VINYL COMPOSITION TILE (VCT)**

**Imperial Texture**

**Stonetex**

**Terrazz**

**Designer**

**Eco-Terrazz**

3.0mm & 2.0mm x 300mm x 300mm

3.2mm & 2.4mm x 305mm x 305mm

# EXCELON

## VINYL COMPOSITION TILE

### INSTALLATION RECOMMENDATIONS

#### QUICK REFERENCE GUIDE

<b>Installation:</b>	Conform to AS 1884 – 2012
<b>Types of sub-floors:</b>	Concrete, Timber, approved underlay
<b>Installation system:</b>	Full spread adhesive
<b>Adhesives:</b>	Armstrong Flooring PS-820 (Acrylic pressure sensitive) <ul style="list-style-type: none"><li>• field areas</li></ul> Armstrong Flooring PU-100 (2 part polyurethane) <ul style="list-style-type: none"><li>• Areas where frequent surface moisture may be present.</li><li>• Areas that may be exposed to prolonged periods of sunlight (e.g. in front of large windows)</li></ul> Armstrong Flooring SC-100 (Solvent contact) <ul style="list-style-type: none"><li>• accessories &amp; trims</li></ul>
<b>Trowel size:</b>	U shaped trowel 0.8mmx1.6mmx2.0mm
<b>Recommendations:</b>	Allow to acclimatise to room temperature (18°C). Roll entire area with 45 kg roller. Do not allow heavy rolling loads for at least 72 hours after installation.
<b>Special precautions:</b>	Armstrong Flooring vinyl flooring & walling products are recommended for <u>indoor use only</u> . <u>305 x 305mm Stonetex &amp; Chromaspin</u> it is recommended tiles are laid in the direction of arrows (see back of tile). Do not wash or scrub floors for at least 48 hours after installation. 'Tile on tile' installations reduce resistance to indentation.
<b>Protection:</b>	Cover floors after installation and during construction using non marking/staining cover such as Armstrong Flooring 'Topguard', cardboard or similar. Armstrong Flooring <b>DOES NOT</b> recommend the use of <u>plastic films</u> as protection, consult your supplier for compatibility.

# INSTALLATION RECOMMENDATIONS

## INITIAL PROTECTION:

Armstrong Flooring highly recommends the installed floorcovering be protected from construction site debris, dirt, soil, traffic and stains, all of which can damage the unprotected flooring.

Armstrong Flooring recommends the use of Armstrong Flooring Topgard or similar loose laid over the floorcovering. The floorcovering must be clean, free of all debris and must be dry. Do not tape the protective sheet to the surface of the floorcovering.

Armstrong Flooring **DOES NOT** recommend the use of **PLASTIC FILM** for protection.

Responsibility for the protection of the finished work until handed over to the client should be arranged prior to installation.

## TO THE INSTALLER:

Please note that if material has been cut, fitted, or installed, NO ADJUSTMENTS or CLAIMS (if any) will be considered due to the failure to comply with any of the following. Before cutting and installing Armstrong Flooring floorcoverings make sure that you:

Check for obvious manufacturing defects in good daylight conditions.

Check that the material is the correct colour, pattern and quantity ordered by the customer.

Material should be allowed to acclimatise to job climatic conditions for 24 hours at 18°C. Never install the material if the temperature in the room is less than 15°C as per Australian Standard 1884–2012 Section 4.1.1

Use only Armstrong Flooring recommended adhesive specifically formulated for Armstrong Flooring products.

All cartons of Armstrong Flooring products are marked with a 'batch number'. When using more than one carton, make sure they have the same 'batch number/s'.

Do not cut or install any damaged or defective material unless accepted, agreed and approved by all parties concerned.

**PLEASE NOTE:** existing resilient flooring backing or lining felts should **NOT BE SANDED**. These products may contain asbestos fibres that are not readily identifiable. You should note the details in the 'WARNING' panel set out later in these instructions **BEFORE YOU PROCEED ANY FURTHER**. If you have satisfied the requirement of the warning then, providing it does not conflict with any applicable laws, the following procedure is suggested to remove existing resilient floorcoverings.

The wear layer should be cut into narrow strips, being careful not to score the sub-floor. The narrow strips should then be peeled from the backing by pulling or rolling around a core which will control the stripping angle and create a uniform and more constant tension. After the wear layer has been removed, the remaining felt should be scraped by using scrapers (MUST NOT SAND).

Any unevenness in the sub-floor due to scraping should be levelled and smoothed using an underlayment as per manufacturer's recommendations.

## SUB-FLOORS:

The condition of the sub-floor not only has an important bearing on the appearance of the finished installation, but can dramatically affect the life and serviceability of the floorcovering. It is essential, therefore, that the sub-floor be dry, hard, rigid, smooth, level, clean and free of dust and grease.

### CONCRETE SUB-FLOORS:

*A MOISTURE TEST SHOULD ALWAYS BE CARRIED OUT PRIOR TO INSTALLATION. AS PER AUSTRALIAN STANDARDS 1884-2012 APPENDIX A3.1.2*

Concrete sub-floors must be cured and completely dry. The surface must be steel trowelled to a smooth dense surface free of trowel marks, irregularities, as per Australian Standard 1884-2012.

Concrete slabs in contact with fill, hardcore or the ground must have a damp-proof membrane to prevent entry of moisture. Water proofing additives and curing compounds do not replace the damp-proof membrane. New slabs should dry for at least one month per 25mm thickness.

Care must be taken to ensure that the surface of the concrete is free of parting of curing compounds, oil, grease, paint, dust and any other substances, which may prevent the adhesive from forming a secure bond. The surface of the concrete must be smooth and level, completely free of cracks, holes and protrusions.

If the surface is not satisfactory, it should be repaired and levelled with a cementitious underlay applied according to manufacturer's recommendations.

When curing compounds, hardeners, sealers, or parting compounds have been used, they have to be completely removed by mechanical methods (e.g. sanding, sandblasting or grinding) prior to the installation of materials as these will impair the bond of the adhesive.

### HEATED SUB-FLOORS:

Flooring material can be installed over heated sub-floors. However, it is imperative that the temperature at the surface of the slab does not exceed 28°C. Prior to installation the heating should be turned on for a number of days to remove all traces of residual dampness that may be present in the sub-floor. The heating should be turned off 48 hours prior to and during installation and shall not be turned on until 48 hours after installation is completed, in order to allow the adhesive to set. After adhesive has set, gradual temperature increases are recommended in order to reach a maximum of 28°C.

### TIMBER SUB-FLOORS:

All timber sub-floors must have at least 450mm of good cross ventilation under the floor to prevent distortion and movement of flooring members as well as excessive movement of underlay. New timber sub-floors should be rigid, sound and constructed of seasoned timber and free from excessive cupping and warping.

Old timber sub-floors should have all loose boards re-nailed and badly worn or damaged boards must be replaced. If necessary, sand the floor to a level finish without undulations. Overlay sub-floor with hardboard or approved fibrous cement vinyl flooring underlayment. The underlay sheets must be fastened at 75mm intervals around all sides, 10mm from edges, and at 100mm to 150mm intervals throughout the body of the board.

# IMPORTANT: PLEASE READ CAREFULLY BEFORE YOU START

The sanded areas must be sealed prior to the installation of the floorcovering, as recommended by the manufacturer. Underlay must be installed over structural particleboard using the adhesive and nailing fixing system specified by the underlay manufacturer as per Australian Standard 1884-2012 Section 3.2

## EXISTING RESILIENT FLOORS:

Armstrong Flooring recommends the removal of the existing resilient floor. If this is not practical, adequate care should be taken to ensure the existing resilient floor is to an acceptable standard to receive new floorcoverings.

The existing resilient floor must be smooth, completed, firmly bonded and properly installed on recommended sub-floors. Existing resilient floor must not be cushioned, and must have no evidence of moisture, alkaline salts or hydrostatic pressure. Polish and other finishes should be removed from existing floor covering by thorough stripping. Indentations and damaged areas should be replaced or repaired. Installation over existing resilient floors reduces resistance to indentations.

**NOTE** – Existing resilient flooring may contain asbestos fibres which are not readily identifiable. You should note the details under **WARNING – ASBESTOS CONTAINING MATERIAL** set out later in these instructions before you carry out these steps. **ADDITIONAL OPEN TIME OF FLOORING ADHESIVE MAY BE REQUIRED TO REDUCE ENTRAPMENT OF AIR UNDER MATERIAL WHEN LAYING OVER EXISTING RESILIENT FLOORS.**

## EXPANSION JOINTS:

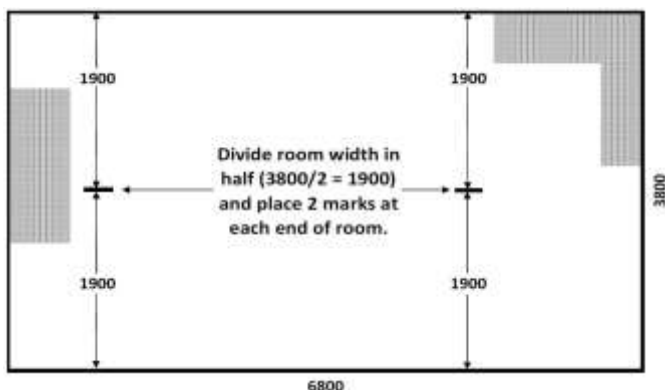
Armstrong Flooring does not recommend that resilient floorcoverings be installed across expansion joints. Various expansion joint covers are available and should be specified by the architect or agreed between the contractor and the purchaser.

## JOB CONDITIONS:

Job conditions should be as outlined in Australian Standard 1884-2012 4.1.1. Temperatures in areas to be covered should be maintained at a minimum 15°C to 28°C for 48 hours prior to, during and after installation. Please note that cold sub-floors have considerable influence on the open time of flooring adhesive.

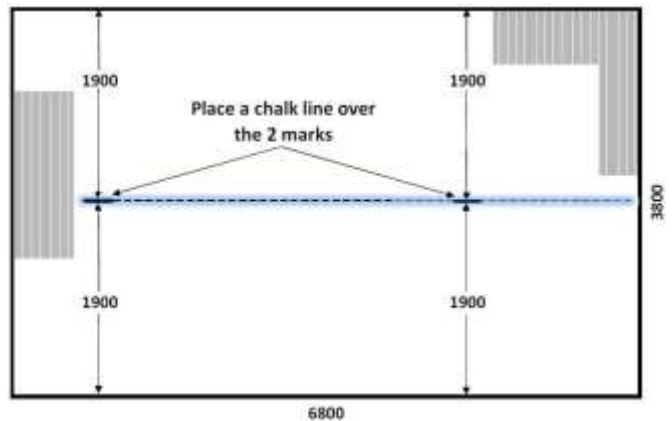
## DIRECTIONS:

1a. Divide room width in half and place 2 marks at each end of room.

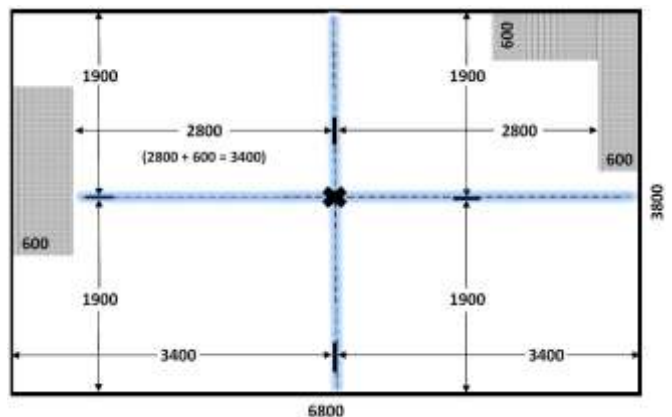


1. Marking start lines

1b. Using the 2 marks on the floor, strike a chalk line across the room.



1c. Measure the opposite walls and find centre. Place 2 marks on the floor and strike with a chalk line. You will now have found the centre of the room.

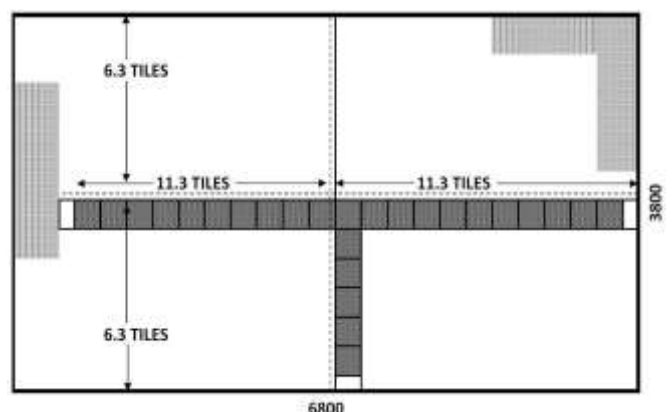


1d. Make a 'dry' run. Without spreading any adhesive, place a row of tiles along the perpendicular chalk lines out to two adjacent walls. (If you are installing over existing tiles, stagger the joints).

Measure the distance between the last FULL tile and the wall. If the space is less than 100mm width, strike a new chalk line 100mm width from the original line. (Erase original line with a damp cloth).

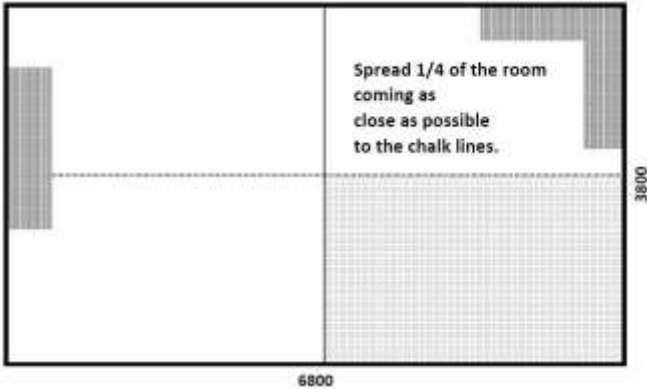
Repeat dry run in both directions until you have a tile with a minimum 100mm width or more at every wall. The point where the last two perpendicular lines cross is the starting point for installing tiles.

Read ALL instructions, warning and recommendations on adhesive container label.



# IMPORTANT: PLEASE READ CAREFULLY BEFORE YOU START

1e. Cover ¼ of the room with Armstrong Flooring PS-820 vinyl tile adhesive.  
Allow adhesive to 'set' according to manufacturer's instructions.



**NOTE:** Cover only the area which can be comfortably installed within the adhesive working time to ensure adequate bonding strength.

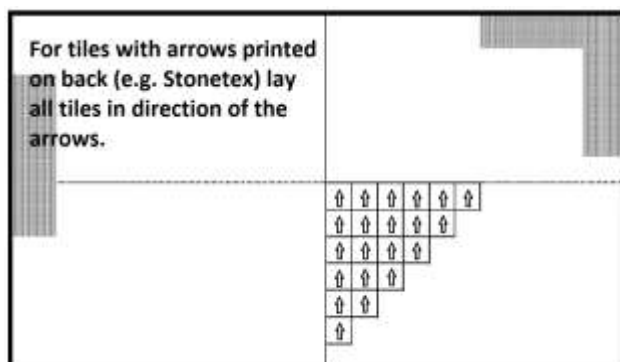
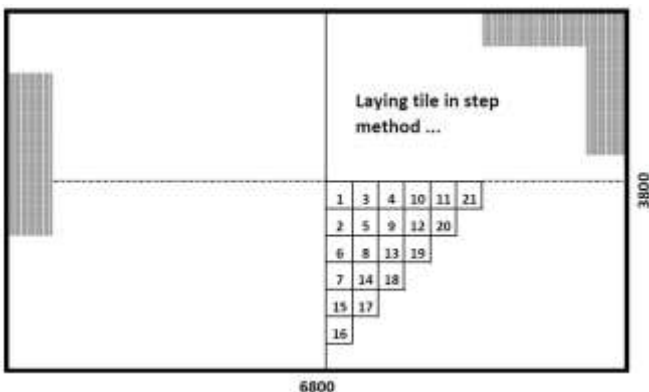
## 2. Installing your new floor

2.a Starting where the perpendicular lines cross, firmly press the first tile into place. Make sure edges are flush with chalk lines.

Follow margin in the illustration to lay all FULL tiles in the first ¼ of the room. Make sure edges are flush against adjoining tiles or chalk line.

Finish installing tiles in the rest of the room. Follow the same steps as before, completing ¼ of room at a time.

For a complete bond between tile and sub-floor, tiles MUST be rolled using 45kg roller.



## 3. Cutting in

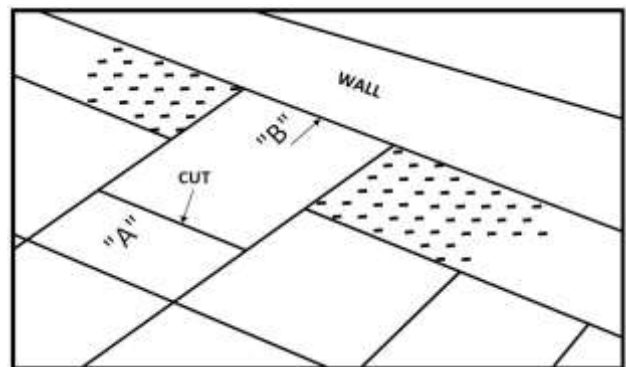
3a. Place a loose tile ("A") exactly on top of the last full tile.

Make sure arrows point in proper direction.

Place another full tile ("B") on top of tile ("A"), with edge against wall.

Using the edge of the top tile ("B") as a guide, mark top of tile ("A") with a knife.

Cut tile ("A") with a knife. Do not cut on top of installed tile.

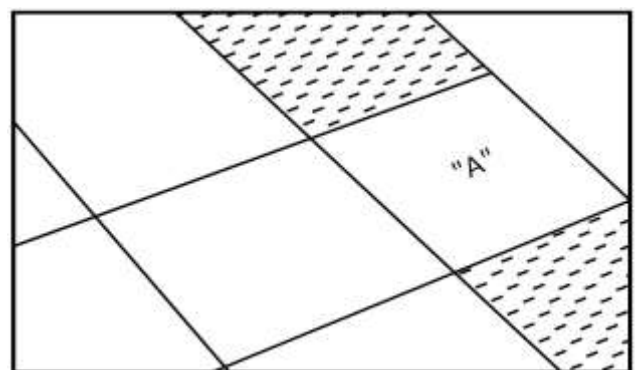


3b. Tile (A) now fits snugly between last full tile and wall.

Press tile firmly into position.

Finish the first ¼ of the room by repeating this procedure for the rest of the border tiles.

Roll tiles with a 45kg roller.



### NOTE:

- For areas that may be exposed to prolonged periods of sunlight (e.g. in front of large windows) fix tiles using hard set adhesive such as Armstrong Flooring PU-100, as these types of areas may be exposed to broad changes in temperature.
- Ensure correct conditioning procedures are followed.

**ALL ARMSTRONG FLOORING PTY. LTD.**  
**FLOORCOVERINGS, ADHESIVES & ACCESSORIES ARE**  
**MANUFACTURED ASBESTOS FREE**

Vinyl flooring manufactured in Australia after 1<sup>st</sup> January, 1984 **does not** contain asbestos.

**EXISTING RESILIENT FLOORING**



Do not sand, dry sweep, dry scrape, drill, saw, bead blast, or mechanically chip or pulverise existing resilient flooring, backing, lining felt or asphaltic 'cut-back' adhesives.

These products may contain either **asbestos fibres** or **crystalline silica**.

Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Smoking by individuals exposed to asbestos fibres greatly increases the risk of serious bodily harm.

Unless positively certain that the product to be removed is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content.

**Note:** Vinyl flooring manufactured in Australia after 1<sup>st</sup> January, 1984 **does not** contain asbestos.

**Disclaimer – Asbestos issues**

The warnings and guidance contained in these instructions in relation to the potential for asbestos in floorcovering materials are given in good faith. However, regulations, codes and directives as to the best method of handling asbestos are under continual revision. It is the obligation of the installer to ensure that practices used are safe, without risk to health, and meet all legal requirements.

Armstrong Flooring Pty. Ltd. accepts no liability for any loss, costs, expense or injury, however incurred, arising from the presence of any asbestos in any floorcovering materials or asphaltic 'cut-back' adhesives and/or any reliance placed upon the procedures and recommended practices contained in these instructions.

**Initial Care:** (upon installation): Must conform to Australian Standard AS1884-2012 Floor Coverings – Resilient Sheet and Tiles – Laying and Maintenance Practices, Section 4.3. "Fast Start" does not constitute a pre-sealed surface.

MANUFACTURERS INSTRUCTIONS – To provide a working surface prior to hand-over.

1. Remove all debris. 2. Sweep / vacuum / dust mop. 3. Complete one of the following options.

Option 1 – Scrub floor using a neutral detergent (Armstrong Flooring ONCE 'N DONE). Rinse surface with fresh water. Ensure surface is completely dry then apply a minimum three (3) coats of high quality, metal cross-linked finish (Armstrong Flooring SHINEKEEPER). Allow the surface to dry completely between each coat. Dry burnish.

Option 2 – If floor is badly soiled: strip back floor surface using a low alkali stripper (Armstrong Flooring NEW BEGINNING). Rinse surface with fresh water. Ensure surface is completely dry, then apply a coat of high quality sealer (Armstrong Flooring PREMIUM SEALER). Allow the surface to dry completely then apply a minimum three (3) coats of high quality, metal cross-linked finish (Armstrong Flooring SHINEKEEPER). Allow the surface to dry completely between each coat. Dry burnish clean floor using a single disc straight line polisher up to 1700RPM (spray burnish if desired using **Once 'n Done\*** floor cleaner). Use white pad only.

**For Further Armstrong Flooring Information**  
**Freecall 1800 632 624**  
**[www.armstrongflooring.com.au](http://www.armstrongflooring.com.au)**