

WALLFLEX

INSTALLATION RECOMENDATIONS

QUICK REFERENCE GUIDE

Installation:	Conform to AS 1884 - 2012
Type of wall surface suitable:	Properly prepared <ul style="list-style-type: none">• Smooth cement render• Fibre cement sheet• Plaster board• Hardboard sheet• Plywood• Steel or aluminium sheeting
Installation system:	Full spread, heat-welded seams
Adhesives:	SV-200 / LVT-100 SC-100 – Contact Adhesive
Trowel Size:	SV-200 / LVT-100 <ul style="list-style-type: none">• Armstrong Flooring S891— 0.8mm x 0.8mm x 2.0mm notches. (fine notched steel trowel)• V1— 1.6mm x 1.6mm x 1.6mm SC-100 <ul style="list-style-type: none">• Contact (brush or roller)
Recommendations:	Maintain room at and allow material to acclimatise at minimum 18°C for 24 hours before & 48 hours after installation <u>Minimum corner radius</u> <ul style="list-style-type: none">• 2.00mm Wallflex @ 8.00mm• 1.25mm Wallflex @ 5.00mm Warm material to bend around corners using hot air gun After application, apply pressure with a hand roller to set adhesive & expel air bubbles Use CONTACT ADHESIVE on non-porous surfaces Installation is ideally suited to two installers
Weld Rod:	Use matching Armstrong Flooring PVC weld rod

WALLFLEX INSTALLATION RECOMENDATIONS

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 wall coverings make sure that you:

1. Check for obvious manufacturing defects in good daylight conditions.
2. Check that the material is the correct colour, pattern and quantity ordered by the customer
3. Material should be allowed to relax in a flat form to allow it to acclimatise to job climatic conditions. Roll out flat and stack up to ten sheets 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 AS 1884-2012 Section 4.1.1.
4. Use only Armstrong Flooring recommended adhesive specifically formulated for each Armstrong product.
5. All rolls of Armstrong Flooring products are marked with a 'batch number'. When using more than one roll make sure the rolls have the same 'batch number'.
6. After cutting material off the roll, step back and inspect the overall effect. If acceptable, then go ahead and adhere, but if there seems to be a problem or doubt of any kind then stop immediately and call the distributor or Armstrong Flooring Customer Service on 1800 632 624.
7. Do not cut or install any damaged or defective material unless accepted, agreed and approved by all parties concerned.

JOB SITE CONDITIONS

Temperatures in areas where Wallflex will be applied should be maintained at a minimum of 18°C for 24 hours prior, during and 48 hours after installation. Please note that cold walls have considerable influence on the open time of the adhesive used to install Wallflex.

WALL SURFACE PREPARATION

SOLID CONSTRUCTION WALLS

Smooth cement rendered walls and hard wall plastered surfaces come under this category. Walls must be dry, clean and smooth and finished off with a steel trowel.

Whilst walls are not subject to hydrostatic pressure, they can be damp, thus, before commencing the installation ensure the walls are completely dry. This may take some time as the internal brickwork has to dry out as well.

Cement rendered walls finished with a steel trowel should be smooth enough for Wallflex installation. If cracks and holes exist, they should be smoothed and levelled with a trowel-on underlayment.

FRAMED CONSTRUCTION

The following materials fall into this category:

- Plaster Board
- Fibre Cement Sheet
- Hardboard Sheet
- Plywood
- Steel or Aluminium Sheeting

All framed walls must be well supported and stable.

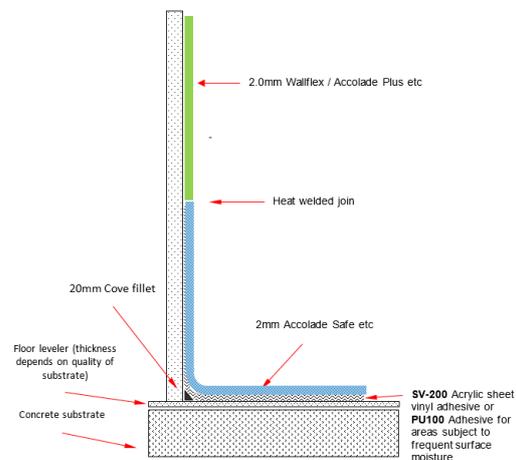
Nail heads, staples or other fasteners must be flush to the surface of the wall finish. Gaps, holes and uneven thickness of boards must be filled and levelled with patching compound (as per manufacturers recommendations).

Painted walls should be sanded and any loose paint scraped off.

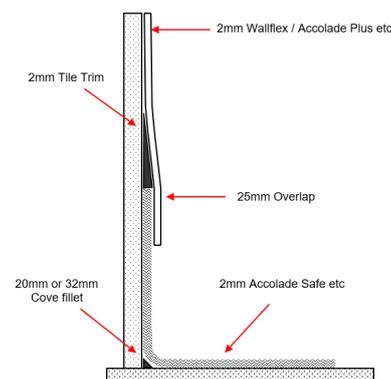
WALL TO FLOOR TRANSITION

When installing 2.0mm Wallflex to join covered 2.0mm vinyl floorcoverings, heat weld the walling and flooring together to provide a smooth hygienically welded joint.

Wall vinyl to Floor vinyl diagram – 2.0mm vinyl to 2.0mm



Alternate: Wall vinyl to floor vinyl - Overlap



WALLFLEX INSTALLATION RECOMENDATIONS

INSTALLATION TECHNIQUES

Ensure material is acclimatised, warm sheets at corners using hot air gun to bend around corners

NOTE: Minimum corner radius

- 2.00mm Wallflex @ 8.00mm
 - 1.25mm Wallflex @ 5.00mm
1. Where Wallflex vinyl sheet is to be bent around external corners, they **MUST** be set using a plastering bead to provide a minimum corner radius of 8mm (e.g. Rondo Exangle R05 90° Bullnose External Corner Bead - Perforated - 10mm Radius)
 2. If installing Wallflex to a height of less than 1.50 metres, lengths should be laid horizontally.
 3. Mark out a horizontal reference line along the wall at a height slightly lower than the width of the Wallflex from the floor or from the end of the coved flooring. This is to allow for trimming any unevenness of sub-floor. **NOTE:** Allowances must be made to the horizontal reference line to cover the rake of the corners.
 4. Do not install vertical seams in the wall corner – these are never straight and very difficult to weld. They are best placed 75mm – 100mm from the corner, obviously on the less visible angle.
 5. Add 50mm to required length and cut Wallflex. This will allow for overlap at both ends. Remove factory edge if damaged or contaminated.
 6. Mark the centre of the length and the corresponding centre of the wall.
 7. When placing the Wallflex in position, make sure the factory edge matches the horizontal reference line of the wall and the corresponding centre marks. Then work toward each end.
 8. **NOTE:** Armstrong Flooring Wall Capping Strip should be applied to cover any differences due to the rake of the corners.
 9. The same method is used if Wallflex is installed vertically, but use a plumb line to give the first vertical starting line.
 10. A band of approximately 100mm to 150mm of Contact Adhesive is applied below the horizontal line. Apply SV-200 to the remaining area. The band of Contact Adhesive is to prevent the sheets from slipping down because of the weight of the Wallflex.
 11. If Wallflex is applied up to the ceiling height then the band of Contact Adhesive should be applied at the top.
 12. Contact Adhesive is recommended at external corners. SV-200 is recommended at internal corners.
 13. When applying Wallflex on the ceiling the Contact Adhesive is applied to the entire surface of the ceiling.

ADHESIVE

To ensure that the installation is successful, Armstrong Flooring SV-200 and/or Contact Adhesive must be used. SV-200 is spread with a fine notched steel trowel, with 0.80mm x 0.80mm notches. The SV-200 adhesive must be allowed to 'tack-off' prior to the material being rolled back into it. Depending upon climatic conditions this may vary from 20 to 40 minutes.

Contact Adhesive is specially formulated contact adhesive that has a high plasticiser migration resistance. Contact Adhesive should be applied to both corresponding surfaces, wall and back of material.

For non-porous surfaces apply a thin coat of Contact Adhesive by brush or paint roller to both the wall and the back of the material. Adhesive must be allowed to 'touch dry' before joining coated surfaces together. When placed in position, apply pressure with a hand roller.

SEAMS

One of the many advantages of Wallflex is the fact that it can be seam-welded to give a jointless, dust-free, water-tight wall treatment. Grooving and welding should not be carried out until adhesive has completely set (usually 24 hours after sheet installation as moisture from adhesive can interfere with the heat welding process).

Installation & Heat Welding

- All factory edges should be removed, using the Armstrong S-33 edge trimmer during installation.
- Scribe seams using Armstrong Flooring S-83 recess scribe set to provide a gap of 0.5mm. Cut on scribe line and roll cut edge into adhesive using hand roller.
- Heat welding should only be done when adhesive is completely cured (24 hours).
- Rout or groove the seam in a 'V' or 'U' shape to a minimum of $\frac{3}{4}$ of the material depth using a grooving machine or hand groover with a sharp blade against a straight edge, so that both sides of the seam are grooved equally and uniformly.
- For best results and to reduce damage to the surface **use an Armstrong Flooring S-65 speed nozzle.**
- Set temperature setting on the hot air welder, fitted with an **S-65 speed nozzle**, to deliver enough heat to fuse weld rod to sheet. Amperage of electrical supply, length of extension cord and wire size will affect the temperature setting. As a guide, a Leister weld gun fitted with an **S-65 speed nozzle** should be set to heat setting of around 7. Practice on a piece of scrap material until correct setting is achieved.
- Insert weld rod into the **S-65 speed nozzle** and immediately insert the rod into the groove.
- Hold the gun at the proper angle so that the tip of the S-65 speed nozzle is parallel with the material. A good weld will result when the rod just starts to flair, and no more, on each side of the seam. If the rod flairs excessively you are going too slow, the **Armstrong Flooring** weld rod should ultimately fall apart before scorching the material if the heat setting is correct.
- To change directions in welding, shave off excess welding rod and groove the end of the rod for approximately 20mm. Start welding from the opposite direction and continue welding until you overlap the initial grooved weld rod and continue for another 20mm before lifting weld off.
- Allow weld rod to completely cool before skiving (trimming).
- Once weld rod is cooled off, skive off in two passes. The first pass using a quarter moon (spatula) knife with a trim plate. The second pass should be flush with the material. Too much weld rod flair or an uneven seam will result in the top surface of the material being removed exposing the material backing.

WALLFLEX MAINTENANCE RECOMENDATIONS

Care/Maintenance

Initial:

1. Allow adhesive about 48 hours to dry.
2. Clean surface with a good quality pH (7.0 – 8.5) neutral cleaner (Armstrong Flooring ONCE N' DONE or similar).

Ongoing Care:

Regularly clean surface with a good quality pH (7.0 – 8.5) neutral cleaner (Armstrong Flooring ONCE N' DONE or similar).

Please Note:

- Frequency of function depends on environmental conditions and customer requirements.
- Dilute chemicals to manufacturers recommendations.

ALL ARMSTRONG FLOORING PTY LTD FLOORCOVERINGS, ADHESIVES & ACCESSORIES MANUFACTURED IN AUSTRALIA AFTER 1st JANUARY, 1984 DO NOT CONTAIN ASBESTOS



WARNING

However, vinyl flooring and adhesives manufactured in Australia prior to 1st January, 1984 may contain asbestos.

Do not sand, dry sweep, dry scrape, drill, saw, beadblast, 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.

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.

Where do I go to find out more about asbestos?

Asbestos Awareness www.asbestosawareness.com.au – provides information on a state by state basis about the dangers of asbestos, asbestos removal, who to contact and other important information.

NOTE: Vinyl flooring manufactured in Australia after January 1, 1984, **DOES NOT** contain asbestos. However, regulations, codes and directives as to the best method of handling asbestos do exist and it is the obligation of the installer to ensure that practices used are safe, without risk to health, and meet all legal requirements.

Disclaimer—Asbestos issues

The warnings and guidance contained in these instructions in relation to the potential for asbestos in floor-covering 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 practises 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.

For Further Armstrong Flooring Information
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