



RHINOFLOOR

ENGINEERED INSTALLATION SYSTEM

QUICK REFERENCE GUIDE

Installation:	Conform to AS 1884 – 1985
Types of sub-floors:	Concrete and timber, existing non-cushioned vinyl floors
Installation system:	Full spread or loose lay if less than 16 m ²
Adhesives:	SV-100
Trowel size:	1.5mm x 1.5mm x 2.5mm
Special precautions:	Do not scrub or wash floors for at least 48 hours after installation.
Recommendations:	Allow to acclimatise to room temperature (18°C) Roll with 45kg roller.

INSTALLATION INSTRUCTIONS

SUBFLOORS:

The condition of the subfloor not only has an important bearing on the appearance of the finished installation, but can dramatically effect the life and serviceability of the floor covering. It is essential therefore that the subfloor be dry, hard, rigid, smooth, level, clean, free of dust and grease. Reference should be made to Australian Standard 1884-1985.

TIMBER SUBFLOORS:

All timber subfloors 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 subfloors should be rigid, sound and constructed of seasoned timber and free from excessive cupping and warping.

Old timber subfloors should have all loose boards re-nailed and badly worn or damaged boards must be replaced. If necessary sand floor to a level finish without undulations. Cover timber subfloor with hardboard or approved fibrous cement vinyl flooring underlayment. When using the conventional full spread installation system underlayment should always be installed over structural particleboard using the adhesive and nailing fixing system specified by the manufacturer. The installation of the underlayment must be carried out in accordance with the manufacturer's recommendations. This, however, is not necessary when using the loose lay installation system.

CONCRETE SUBFLOORS

Concrete subfloors must be cured and completely dry. The surface must be steel trowelled to a smooth dense surface free of trowel marks, irregularities.

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 trowel-on underlayment as per manufacturer's recommendations.

When curing compounds, hardeners, sealers, or parting compounds have been used, they have to be completely removed by sanding, sandblasting or grinding prior to the installation of Rhinofloor as this will impair the bond of the adhesive. *A MOISTURE TEST SHOULD ALWAYS BE CARRIED OUT PRIOR TO INSTALLATION.*

HEATED SUBFLOORS:

Rhinofloor can be installed over heated subfloors. However, it is imperative that the temperature at the surface of the slab does not exceed 28°C. Prior to the 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 subfloor. The heating should be turned off 48 hours prior to and during the installation and shall not be turned on until 48 hours after the installation is completed, in order to allow the adhesive to set.

NOTE:

Armstrong is not responsible for any subfloor failures or irregularities such as movement of subfloor, board show through or incorrect subfloor preparation. It is the flooring contractor's responsibility to ensure that the subfloor is acceptable for the installation of Rhinofloor.

IMPORTANT: PLEASE READ CAREFULLY BEFORE YOU START

CONVENTIONAL FULL SPREAD INSTALLATION SYSTEM

Fitting: The flooring material should be cut-in around all walls and fixtures using a straight blade knife or an Armstrong S-66 Wall Trimmer.

It is important not to fit the material too tightly to walls, and particularly around corners and architraves. If the material is cut in too tightly it can buckle in the field area of the floor. To avoid the problem it is recommended that the material be allowed to relax and that a gap of approximately 1mm be left between the edge of the material and walls, fixtures and fittings. If such tolerances are unacceptable to the customer it is recommended that Armstrong Feather Edge Skirting (100mm or 150mm high) to be used to cover the gap.

Seams: Overlap the adjoining pieces to obtain a pattern match, then double cut the seams dry with a straight blade knife. Armstrong S553 Seam Sealer must be used on all joins to fuse the two halves of material and prevent dirt and water penetrating the seam.

Adhesive: To ensure that the installation is successful, Armstrong SV-100 adhesive must be used. This adhesive has been specially formulated for use with all Armstrong vinyl backed sheet flooring in Australian conditions.

The adhesive should be spread with an Armstrong S-891 notched steel trowel (1.5mm wide x 1.5mm deep x 2.5mm apart notches).

The flooring should then be lowered into the adhesive.

Note: The adhesive should be allowed to 'set up' slightly prior to the material being laid into it. The set up time is critical in allowing the gases and moisture from the adhesive to dissipate. If this is not done bubbles can result in the flooring. This initial set up time will vary depending on climatic conditions, but 20 minutes can be used as a guide.

The material should then be rolled with a 45kg roller to ensure that the flooring is imbedded properly in the adhesive.

Clean Up: Tools, etc. may be cleaned immediately with soapy water. Dry adhesive can be removed with mineral turps.

LOOSE LAY INSTALLATION SYSTEM

Armstrong only recommend the installation of Rhinofloor via the loose-lay installation system if the area to be covered is no larger than 16m² and is preferably of square or rectangular shape with no protrusions and will not be subjected to the rolling of heavy appliances (i.e. refrigerator).

Fitting:

1. Cut the material allowing an excess of approximately 75mm up each wall. (Allow enough for doorways).
2. Position the material to square up the pattern with the room.
3. LEAVE THE MATERIAL FOR AT LEAST ONE HOUR TO BECOME ACCLIMATISED TO THE ROOM CONDITIONS. THIS WILL HAVE THE EFFECT OF RELAXING THE MATERIAL SO THAT IT LIES TOTALLY FLAT AND WILL PREVENT SUBSEQUENT BUCKLING.
4. Fit and trim the material to a loose neat fit (allow approx. 2mm gap) around the walls and fixtures.

Seams: After overlapping the adjoining pieces and matching the pattern the seams should be double cut. To prevent dirt and moisture penetration the seam must be sealed using Armstrong S553 Seam Sealer. Do not stick seam area to subfloor.

NOTE: Due to the thickness of some materials, and to ensure that the seam sealing fluid penetrates the seam properly, it is suggested that the seam sealing applicator nozzle be drawn along the seam more slowly than with materials of lesser gauge.

Double Sided Tape: It is recommended that double sided tape be used to secure the material in doorways and in front of heavy moveable objects.

The tape should be 50mm wide thin "transfer" type tape to prevent problems such as tape show through and plasticizer migration (from some tapes) which can discolour the flooring.

NOTE: Protective metal door strips should be used to prevent damage at doorways.

**ALL ARMSTRONG WORLD INDUSTRIES (AUSTRALIA) PTY. LTD.
FLOORCOVERINGS, ADHESIVES & ACCESSORIES ARE MANUFACTURED ASBESTOS FREE**



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.

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 1st 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 World Industries (Australia) 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.

CARE AND MAINTENANCE

New Floors

- Damp mop floor immediately. Do not scrub or wash for at least 24 to 48 hours.

Regular Maintenance

- Sweep, damp mop or vacuum floor daily to remove loose dirt.
- Wipe up spills as soon as possible before they dry.
- A thorough washing is recommended when the floor looks dull and scuffed. Use Armstrong Once 'n Done No Rinse Floor Cleaner diluted in water. Remove stubborn marks with Armstrong New Beginning Extra Strength Cleaner and Stripper.

Rhinofloor **does not need to be polished**. However, if you wish to provide your floor with additional protection from wear and tear and obtain a high gloss level you can do so by applying Armstrong Shinekeeper Long Lasting Floor Polish.

**For Further Armstrong Information
Freecall 1800 800 518
www.armstrong-aust.com.au**