

Installation guidance

Altro safety flooring

Key points to consider when installing Altro safety flooring

- Ensure that the correct product is selected for the area type
- Ensure that the correct adhesive is selected for the area type
- Always hot weld the flooring joints ensuring that the correct tools are used for grooving, hot welding and trimming
- Always leave the floor suitably protected from other trades using a suitable non-staining floor protecting covering

Storage

Altro safety flooring should be laid in accordance with the Code of Practice BS 8203:2017 and relevant Country standards. The material should be stored for approximately 24 hours at a room temperature of not below 14°C. When laying, the area should be at a steady temperature of between 14°C and 27°C for at least 48 hours prior to, during and for at least 24 hours after completion.

The material should be checked for any possible faults prior to laying and should be cut into lengths and laid loose for conditioning before adhering to the subfloor for a minimum of 2 hours.

The material should then be “back rolled” or “dressed” before scribing in order to take out any tension in the product. Ensure that the material used in any one area is from the same manufacturing batch and that sheets are laid in the same direction.

Pattern ranges of Altro safety flooring will require the pattern to be matched from sheet to sheet (for further information contact Altro).

Claims against warranty for colour, batch or obvious material defects will only be considered if the flooring has not yet been permanently bonded.

Subfloor

The subfloor must conform with the requirements of BS 8203:2017 and relevant Country standards.

Adhesive

For the correct choice of AltroFix™ adhesive, refer to the Altro adhesives data sheets. Excess adhesive should be removed with a cloth with a neutral detergent in the case

of acrylic adhesive or with alcohol for two component adhesives. Removal of excess adhesive should be done as work progresses and whilst the adhesive is still wet.

Laying

Altro safety flooring can be straight laid or self-coved. In areas that are subject to moisture spillage, the complete installation must be sealed i.e. the use of conventional clamping or welding type drain gulleys and access covers, sealing of pipes, toilet pans, door frames etc. and the use of appropriate sealing methods between the junction of the Altro flooring and the wall covering or other floor surfaces. Refer to the Altro detail diagram sheet of the appropriate finishes.

Once the material has been laid out and conditioned, all joints should be overlapped by approximately 20mm and cut in to form a tight joint, these can either be cut in before or after applying the adhesive. This will depend upon the preference of the flooring installer, however, it should be borne in mind that in large installations if the joints and / or the perimeter has been cut in, any movement of the sheet whilst placing it into the adhesive will create a problem.

Turn the material back and apply the adhesive to the subfloor in accordance with the manufacturer's instructions.

After the specified open time, which can depend upon the subfloor, place the floor covering back into the adhesive pushing out any air bubbles. Remove any excess adhesive immediately and depending upon the adhesive used (refer to Altro Adhesives) roll the whole area with a floor roller both width ways and length ways. All joints within the sheet should be cut in, grooved and hot welded.

Internal Corners

Fold sheet flooring into walls and cut down in excess material 5mm above finished floor. Press one side of the excess material into the corner using a roller and return material around corner. Cut sheet to an angle of 45 degrees.

Overlap cut corner with remaining sheet flooring and trim to first piece ensuring tight seam. Roll sheet with hand roller on completion.

External Corners

Fold sheet flooring into corner between floor and wall on one side, cut a 45 degree angle to 5mm above floor finish to edge of external corner, fold sheet flooring into corner on adjoining wall, (see photo 5). Prepare triangular fill piece and groove rear of sheet to maximum 50% depth.

Place triangle piece over existing sheet and cut through to ensure tight butted seam.

Welding

A 3mm groove must be cut evenly along each corner seam. Welds should be done using a hot air welding gum with a 5mm high speed welding nozzle. Allow corner welds to cool to a suitable temperature before trimming using a suitable tool.

Grooving

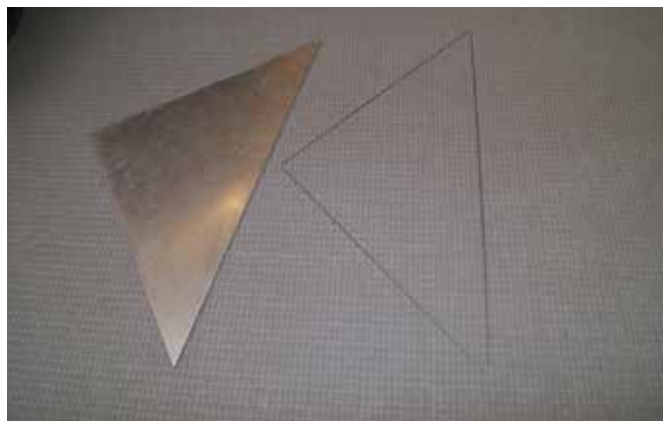
A 3mm groove to 2/3 depth of the flooring must be cut evenly along each floor joint.

Forming a hot welded joint

After cutting in and adhering the sheet vinyl flooring, all joints must be hot welded with Altro Weldrod™, using a hot air welding gun fitted with a 5mm high speed welding nozzle. Where possible, allow 12 hours between laying and welding, to ensure the adhesive is properly set. However, when installing Altro XpressLay™ welding can be carried out immediately after installation as no wet adhesive is used with this system.



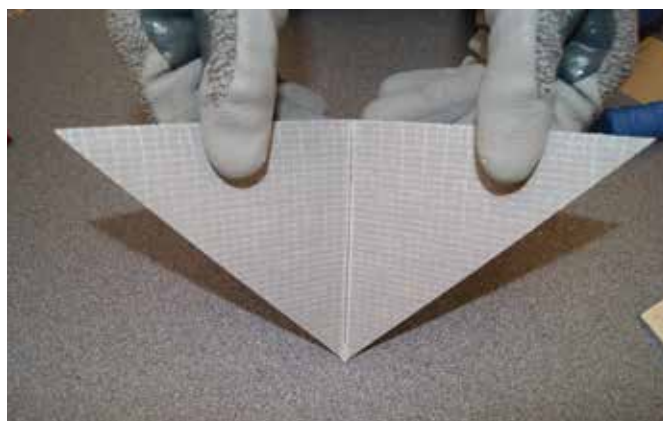
1. Apply adhesive to the floor and wall where material is to be covered.



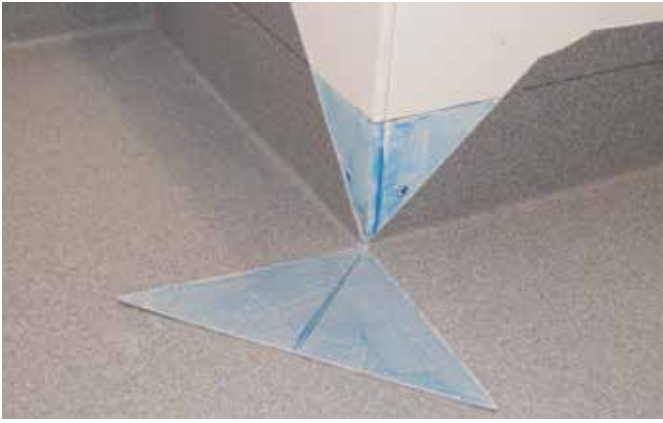
2. Use triangular pattern to cut corner shape from material.



3. Groove the back of material out approximately 1/3rd depth at the point where the pad out section will be on the corner of the wall.



4. Corner section before applying adhesive, centre grooved to allow material to be formed around corners.



5. Flooring with adhesive applied to the backing and grooved ready to install.



6. Place material into position.



7. Trim flooring as required to form a tight neat joint.



8. After trimming, roll material with a hand roller to ensure good contact with the adhesive surface and eliminate any trapped air.



9. Groove flooring on external corner using the triangular template as a guide.



10. Groove flooring in internal corner using the triangular template as a guide.



11. Weld external corner.



12. Weld internal corner.



13. Trim weld back to the surface of the material.

**For further information or technical advice:
tel: 03 9764 7000
email: info@asf.com.au or visit altro.com/au**