

# Installation



Megalit, Optima, Eminent, Eminent SafeT, Granit, Granit MS, Primo Plus, Somplan Plus, Standard, Somplan 150

## Homogeneous Floors

### It makes sense to protect your investment

*Top quality material is only half of the story: a floorcovering's beauty and serviceability is dependant also on proper installation over a suitable subfloor.*

*NOTE: These instructions should be read in conjunction with AS1884 and AS3740 for wetroom applications.*

#### Conditions and requirements

The subfloor must be clean, dry, free from cracks, smooth and level. Dust and contaminants that could prevent adhesion, such as patches of paint, oil, etc., must be removed. Note that asphalt, oil spillage, impregnation agents, pen marks, spray paint etc., can cause discoloration. Damp proofing to be carried out according to AS1884. Where required an effective damp proof membrane must be incorporated in the subfloor. Check for dampness in ground supported floors, floors above boiler rooms, floors with underfloor heating or containing high temperature pipework etc.

When installing this product on concrete subfloors that do not include damp-proofing, the moisture content measured in terms of relative humidity must not be higher than 70% as per the Australian Standard.

Where pipes are laid in the floor they should be arranged so that the flooring material is not continuously subjected to a temperature above 30°C, otherwise there may be discoloration and other alterations of the material.

Extra special care must be taken with installations on surfaces where significant temperature changes can be expected, for example, floors exposed to strong sunlight, as adhesion strength and subfloor treatment may be heavily stressed.

Floor boards and similar substrates should have a moisture content of 8% (equivalent to 40% RH at +20°C), so that any subsequent movements cannot cause damage.

#### Preparation

Dust and loose particles must be thoroughly removed. Highly absorbent or variably absorbent substrates should be sealed with diluted flooring adhesive (1:4). Note some concrete floors contain additives to accelerate drying – these can impair adhesion, and should be treated. The primed surface must be completely dry before applying adhesive and laying the sheets.

When applying smoothing compounds, use [www.tarkett.com.au](http://www.tarkett.com.au)

compounds that meet the minimum requirements in the building standards. NOTE: Discolouration can occur when using two-part polyester compounds if they are mixed incorrectly and/or insufficiently. Do not mix directly on the substrate.

Where required, damp proofing must be carried out.

Use only a lead pencil for marking. Note that any marks made with felt-tipped pens, permanent and non-permanent ink markers, ballpoint pens, etc. can cause discoloration due to migration.

If material from several rolls is used, they should have the same manufacturing serial numbers and be used in consecutive order.

Prior to laying, allow the material, adhesive and subfloor to reach room temperature, i.e. a temperature of at least 18°C. The relative air humidity should be 30-60%.

**The rolls should be stored upright.** Any faults in the material should be reported immediately to your nearest sales office. Always quote the colour and roll numbers, which are stated on the control card.

#### Installation

Installation should be carried out at room temperature (at least +18°C). The relative air humidity in the premises should be 30-60%. Installation during other conditions must not be done. Cut the sheets to length and, if possible, lay them out to acclimatise for a while prior to laying. This is particularly important for longer lengths.

The sheets are fully adhered with an adhesive approved for Tarkett vinyl floors. Solvent-based chloroprene contact adhesive must not be used as it can cause discoloration. See the adhesive manufacturer's instruction regarding coverage, open time etc. The assembly time depends on the type of substrate, its absorbency, the temperature and air humidity in the premises.

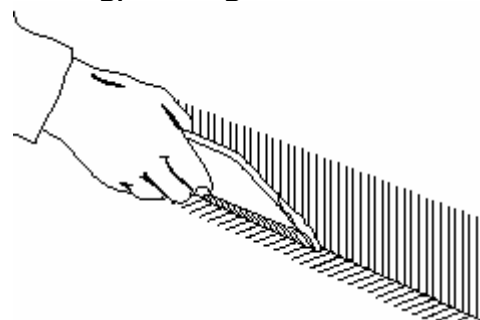
**Sheets must be installed so that colour differences are avoided. Reverse sheets whenever possible.**

#### Installation in wetroom areas

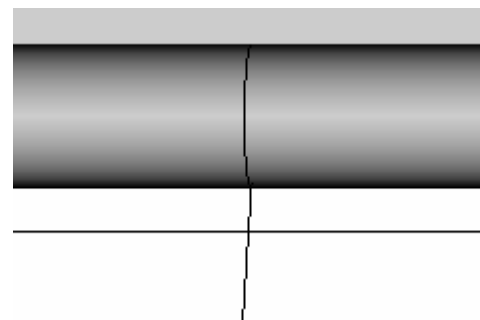
The flooring is coved approximately 100mm up the wall. If wall covering is to be installed, then it should overlap the wall base by at least 30 mm. For the best result, the thickness of the wall base is leveled out before installation of the wall covering, so that a smooth juncture is obtained. Use a water-resistant levelling compound or 2mm diminishing strip.

Within 0.5 m radius from floor drains etc, seams are not recommended.

#### Fitting, coving and corners



Using a straight edge and pencil, mark at a height of about 100mm on all walls where the flooring will be coved. Apply the adhesive on the walls up to the marked line, using a fine-notched trowel. Spread some of the adhesive out onto the floor, as shown in the picture.



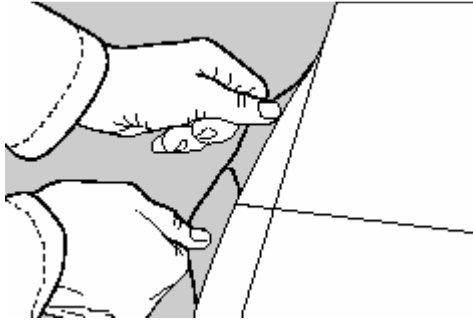
While the adhesive becomes tacky, the sheets are cut. The sheets should be cut longer than the room length to allow sufficient material for coving. When a sheet fits the width of the room, make a cross mark on the bottom of the material and the subfloor to indicate the centre. This will help you place the sheet in its exact position. The cross marks are to coincide at installation.

# Installation

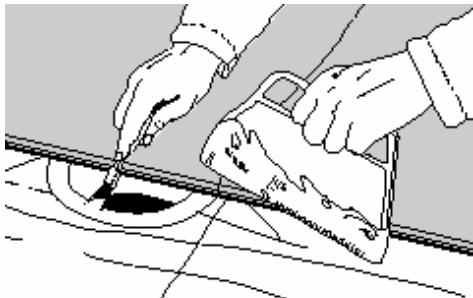


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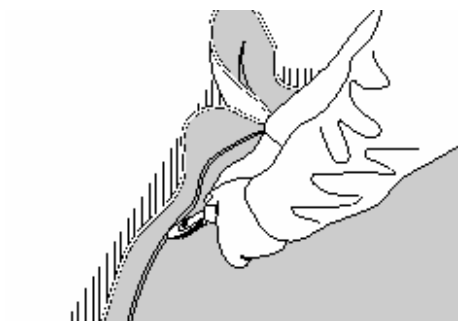
## Homogeneous Floors



When the width of the room exceeds the sheet width (more than one piece has to be installed to cover the area), mark a line on the floor parallel to the longitudinal wall at a distance equivalent to 120mm less than the sheet width. Mark the room's centre on this line. On the bottom of each sheet, mark their centre. The cross marks on the subfloor and sheets shall coincide at installation.



Fold back and loosen the sheets covering half of the floor area. Apply the adhesive on the subfloor with a fine-notched trowel. Use a soft brush around drains and hard-to-reach areas. Around and inside drains, use adhesive recommended by the manufacturer of the drains.

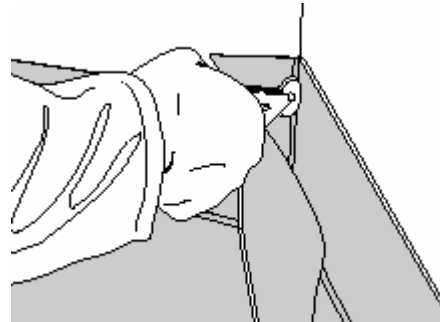


Use a Corner Roller to press the material firmly into the juncture between the floor and wall. In areas where one sheet is sufficient to cover the subfloor, the adhesive can be applied over the entire

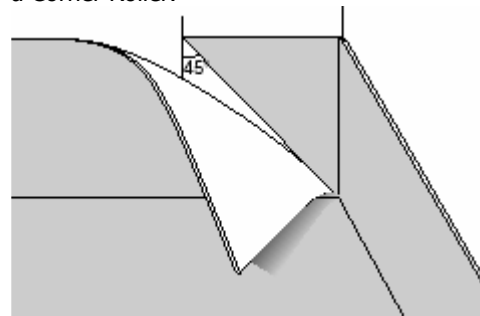
surface area before installing the sheet. Although this requires experience, it is the fastest installation method.



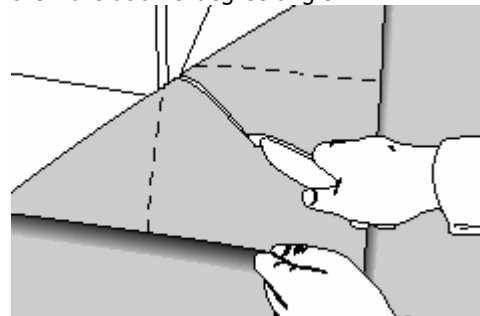
When fitting in-corners, make a cut in the excess material starting about 5 mm above the floor in the corner. If the material has to be heated before folding, heat the area between the sheet and the wall. This provides better contact between the sheet and adhesive.



Press the material firmly into the corner with a Corner Roller.

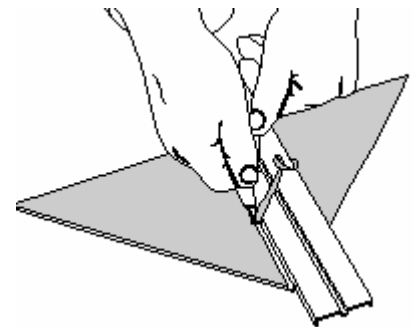


The corner seam shall be placed on one of the walls at a 45-degree angle.

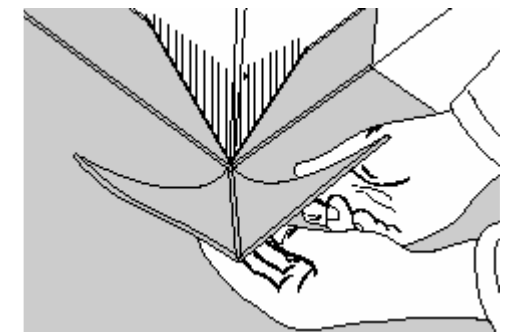


When fitting an out-corner, the sheet is folded against the corner and cut about 5mm

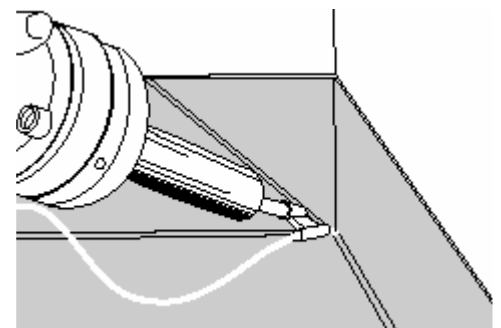
from the floor. The guidelines in the picture show the corner on the sheet and the position of the cut at about a 45-degree angle. Then a diagonal cut is made as shown.



To glue the triangle-shaped piece more simply and securely, cut a groove on the back of the triangle with Corner Knife. The depth of the groove shall be no deeper than half of the sheet thickness.



The triangle can now be folded and placed on the corner. It will overlap the covered floor. Cut through the overlapping material to make a tight fit.



Use a hot-air gun for welding with weldrod at in-corners and out-corners. Tarkett Speed Welding Nozzle is specially designed for welding vinyl floors. For a perfect job, a Tarkett Swan Neck is usually required to effectively seal all seams nearest to the floor.

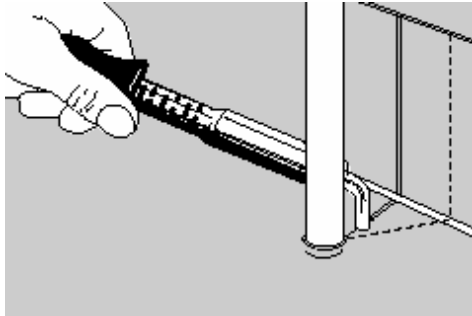
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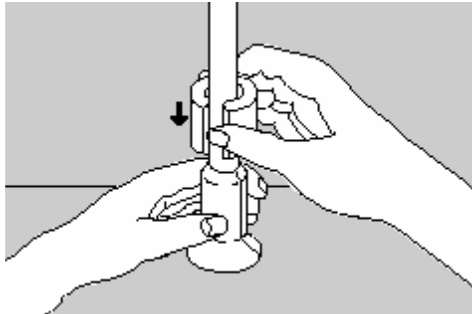
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### Fitting around pipes and floor drains

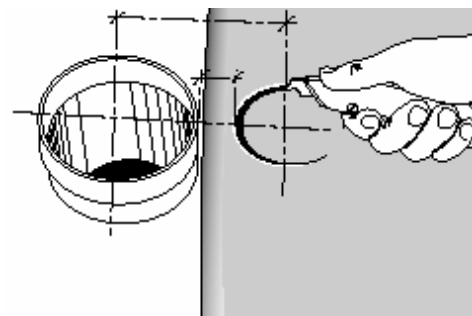


Around pipes by walls, cut the sheet and press it against the pipe to form a collar. In tight or cramped areas between pipes and walls, cut as shown by the dotted line. If a cover is required, do the following:

1) If you make a cover out of floor material, fit it against the pipe with adhesive. Weld the seams together using Tarkett Repair Gun.



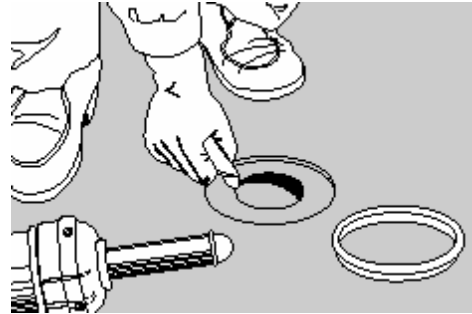
2) Prefabricated covers are applied according to the manufacturer's instructions. Seam sealer or sealing compound approved for this purpose, can be used for an extra tight fit around pipes.



Around drain pipes, fold the sheet against the pipe and mark a line on the material where the centre of the pipe is. Cut a hole about 25 mm smaller than the diameter of the pipe. As shown, cut the hole at the start

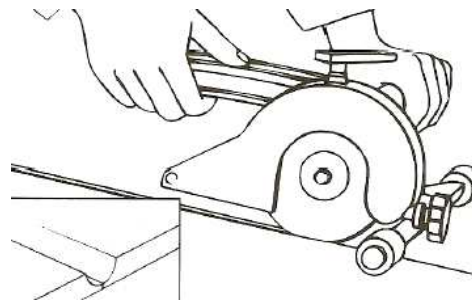
of the fold.

Heat the sheet vinyl and press it over the pipe. Trim off excess material with a hook knife so that the break in the pipe wall is cleared.



Around flush drain openings, heat the sheet and mark the location of the drain using a clamp ring. Then cut a small hole in the centre of the drain within the mark. Heat the flooring and press the clamp ring down into the edge of the drain. When using an adjustable clamp ring, make sure it fits tightly. Trim the material around the perimeter of the ring.

### Welding

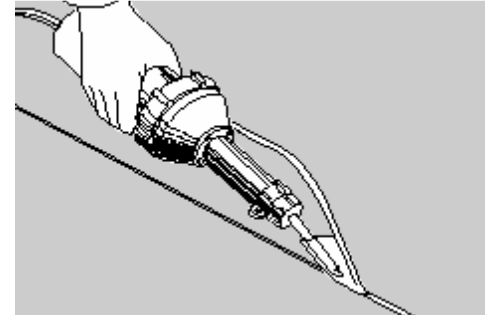


The sheets are heat-welded. Do not weld until the adhesive has bonded completely.

**Sheets are usually overlapped and double cut, or occasionally edge-to-edge. The gap between the sheets must not exceed 1mm.**

**The groove must be cut with a "U" shaped cutter to ensure the best possible contact between weldrod and the floorcovering.**

Groove to about 2/3 of the thickness, and no more than 1/2 the diameter of the weldrod, using a hand grooving tool or machine prior to welding.



Weld with hot-air and Tarkett Speed Welding Nozzle.

CAUTION: Welded seams must cool to room temperature before trimming. Start trimming where you began welding. All trimming of weldrod is recommended in two steps: rough and fine trimming. Use a Glide for the first trim. For Granit Multisafe, use a narrow trimming knife to avoid damage to the raised knobs.

### Inspection

The work must be completed with an inspection. Ensure that the newly laid flooring is free from adhesive residues and that the bond is consistent with no bubbles.

### For the best results:

- Make sure all specifications and instructions are followed carefully.
- Use only adhesives recommended by Tarkett and adhesive manufacturers.
- Check the installation afterwards.
- Contact your Tarkett representative if unsure about any part of the installation.

### After Installation

- Always protect the installed floor with hardboard or similar during the construction period.
- Adhesive should be allowed to fully set before heavy wheeled traffic is allowed on the installed floor.
- An effective barrier matting system should be installed at all entrances as 85% of dirt and soil enters a building by means of an outside entrance.
- Before hand over, complete the **Initial Site Clean**.

### Adhesives

Tarkett Australia recommends low VOC acrylic adhesives such as:

- Polymer 365
- Mapei Eco 350