

Polysafe™ QuickLay PUR



INSTALLATION

POLYSAFE QUICKLAY ADHESIVE FREE VINYL SAFETY FLOORING



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## INTRODUCTION

Polysafe QuickLay is a loose lay safety flooring designed for adhesive free installation. Polysafe QuickLay can be laid over a variety of different substrates without the need for full adhesion.

- Polysafe QuickLay rewrites the rules for laying sheet flooring over new or old subfloors as it removes the barriers presented by damp and contaminated subfloors.
- Substrates can be solid concrete or cementitious or timber based and should meet the requirements of AS 1884-2021.
- Polysafe QuickLay can be used as either a temporary or permanent floor covering.
- Subfloors simply need to be sound and level.
- Fix over existing vinyl tiles or sheet.
- Fix over existing resin or painted concrete bases where the surface is unbroken, and an effective structural membrane has been incorporated.
- Fix over new screeds or slabs demonstrating moisture levels below 97% RH; where an effective structural membrane has been incorporated.

(Heated subfloors demonstrating dampness / moisture levels below 75% RH.)

If in any doubt please call **Polyflor's Technical Department** on 1800 777 425 for further advice.

### POLYSAFE QuickLay TAPE

Two rolls of Polysafe QuickLay Tape are supplied with each roll of Polysafe QuickLay Loose Lay Safety Flooring. Installation requires no adhesive.

- Polysafe QuickLay Tape should be used at perimeters and centrally under seams.
- Ensure substrates are clean and grease free prior to the installation of the Polysafe QuickLay Tape.
- Porous and absorbent substrates may require priming ahead of installing Polysafe QuickLay Tape.
- Hand roll the tape to the substrate before removing the upper paper on the tape.
- Hand roll the vinyl into the tape when installing the sheet and it is in its final position.

To ensure your warranty conditions are maintained only Polysafe QuickLay tape should be used when installing Polysafe QuickLay Safety Flooring.

## RECEIPT & STORAGE

- On receipt of rolls, check that colour references correspond to those ordered, that quantities are correct and that there is no damage.
- In particular, check that rolls are from one batch, if that was requested on the order.
- On arrival at site, the rolls should be safely secured, in an upright position and stored in accordance with the directions on the roll label at a minimum temperature of 18°C for at least 24 hours prior to installation.
- To achieve best results, site conditions should be as described in AS 1884-2021. A constant working temperature between 18°C and 27°C should be maintained for at least 48 hours prior to installation, during the installation and for 24 hours afterwards.

## POLYSAFE QUICKLAY CONDITIONING

Polysafe QuickLay sheet requires conditioning ahead of installation.

- Conditioning should be carried out in the same areas as the installation, to prevent thermally induced dimensional changes.
- Conditioning should ALWAYS take place in the area that is to receive the installation.
- The conditioning time should be increased to at least 48 hours where the sheet has been stored outside or stored/delivered at temperatures below 10°C.

## PRIOR TO INSTALLATION (UNDERFLOOR HEATING)

On installations where underfloor heating is used:

- The system should be fully tested and commissioned prior to the flooring installation commencing.
- Underfloor Heating systems should be switched off and be fully cooled for a minimum of 48 hours prior to the installation commencing. The system should remain off and fully cooled throughout the entire installation process and for a minimum of 48 hours afterwards. Then slowly bring back up to the working temperature incrementally over several days.
- A maximum subfloor temperature of 27°C should never be exceeded.



Figure 1 TOOLS REQUIRED

## PREPARATION OF WORK AREA

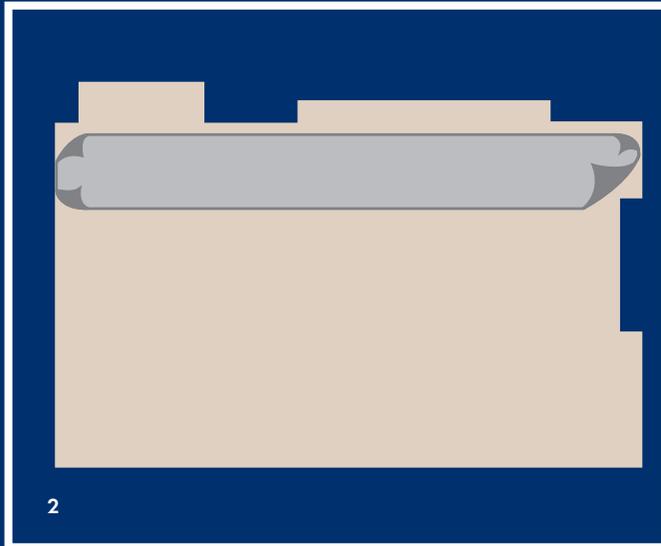
The work area should now be prepared to receive the sheet flooring. Ensure that all other trades have completed their work; removing all their equipment and materials.

- Remove all debris and sweep or vacuum the whole floor area.
- Check the condition of the subfloor and make good as necessary. Porous or absorbent substrates may require priming ahead of installing the Polysafe QuickLay tape.
- Stone or power grind any cementitious subfloor to remove any 'nibs' or ridges.
- Sweep or vacuum again prior to laying.
- If required by the contract, or if in doubt, check the moisture content of the subfloor and record the results and method used.
- Good lighting is essential.

**Commencement of work is deemed by many as acceptance of the site conditions as suitable for laying floor covering.**



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## LAYOUT OF QUICKLAY VINYL SHEET

- The architect may have provided a drawing showing the direction in which the material should be laid. In this case, lay the sheet as directed.
- On installations where the architect has left this to the discretion of the flooring contractor; at the tender stage show in which direction the material will be laid and state that your estimate is based on this.
- If a joint is necessary always pay particular attention to where seams will fall, avoiding such occurrences as seams in the centre of doorways. If large windows are installed, minimise the effect of the joints by laying towards the window.

## SLABBING THE SHEET

- Polyflor recommends that Polysafe sheet flooring should be rolled out face upward, taking care not to damage the surface, and cut approximately to size.
- Allowance of at least 75mm should be made at the ends for trimming in, the slabs should then be left overnight for 24 hours, to condition at a consistent

temperature range between 18°C and 27°C. As this product is not glued, conditioning is critical for a successful installation. Direct sunlight on the product MUST be avoided.

## APPLICATION OF ADHESIVE TAPE

- Polysafe QuickLay double sided tape should be used at the perimeter of the room and at all seams.
- The tape should be applied within 2mm of the edge of the sheet at the perimeter of the room.
- At each weld, the tape should be applied so the weld is in the center of the tape ie 37mm each side of the weld.
- Ensure the tape is only peeled back once the product has been installed correctly and at all seams before grooving and welding.

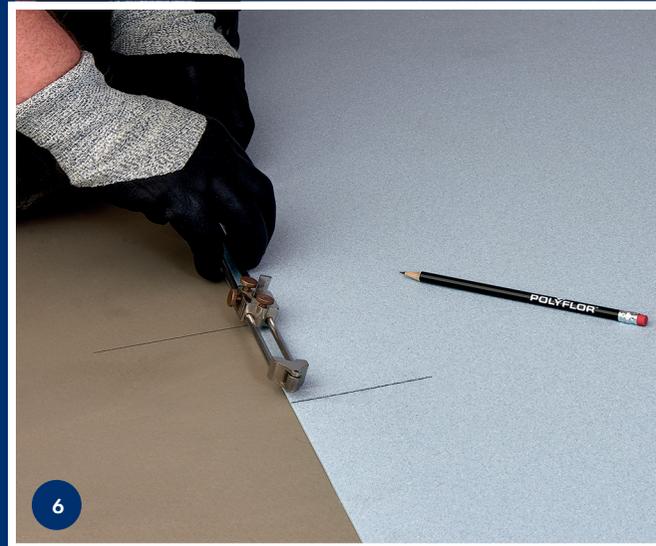
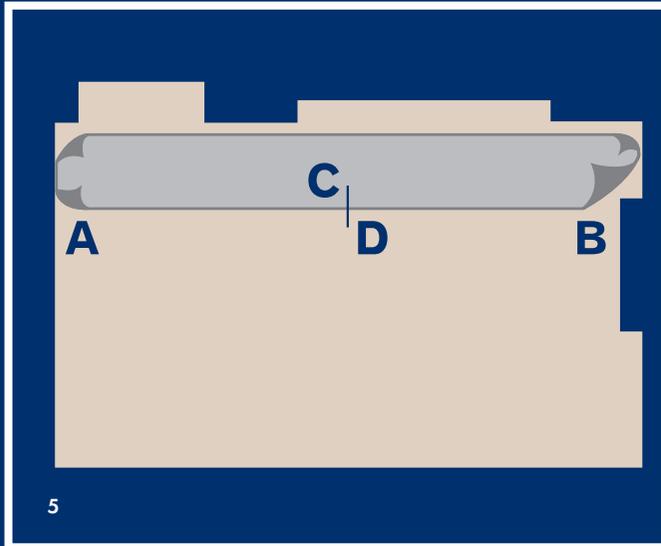
## FITTING THE FIRST LENGTH

- Place the first sheet in position next to the wall with the outer edge approximately 15mm from the nearest point.
- Adjust the lie of the sheet so that the inner edge is parallel with the axis of the room (Figure 2).
- Depending upon the depth of the recesses, either a bar scriber or a pair of scribers should be used to trace the profile of the wall. The scribers should be set to allow for the deepest recess or rake of the wall.
- Holding the scribers vertically and square to the edge, trace the wall profile onto the face of the sheet (Figure 3).
- Polysafe QuickLay double sided tape should be used at the perimeter of the room and at all seams, set 2mm away from the edge of the room. (Figure 4). and centrally located under every seam/weld.
- Use a hand roller to secure the tape to the substrate.

With this method, all irregularities of the wall will be accurately reproduced onto the



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surface of the sheet. If, because of the colour or decoration, the scribed line is difficult to see, rub suitably contrasting chalk dust into the line to highlight it.

- Ease the sheet away from the wall and, using a hook blade trimming knife, cut off the excess material to the scribed line.
- Slide the sheet back against the wall and check the fit, making any minor adjustments as necessary.
- When satisfied that the fit on the first edge is correct, use a pencil to trace the opposite edge onto the subfloor (line A-B in Figure 5).
- In the centre of the room, draw a line on both the sheet and subfloor square to the main axis of the sheet (line C-D in Figure 5).
- Keeping the inner edge of the sheet on line A-B, slide the sheet back to clear the wall at one end of the room.
- Set the scribers to the distance now between lines C and D (Figure 6)
- Trace the end wall profile and cut to fit as described in preceding paragraphs. Repeat for the other end of the sheet.

## CUTTING IN THE SEAMS

- Polyflor recommends that all vinyl sheet floor coverings are grooved and welded. Trimming off the Factory Edges of the sheet is a pre-requisite to successful welding
- Following installation all joints should be fully welded in accordance with the guidance offered in Section 9 of our Technical Information Manual.

## PATTERN TEMPLATE METHOD

Areas which call for a considerable amount of fitting around obstacles, or which are too confined to lay down a sheet for fitting by normal methods, can be dealt with by templating the floor in felt paper.

- Dry fit the area with felt paper, leaving a gap of 15mm to 20mm around obstructions and walls.
- Draw around the fittings using a compass set at 25mm. New Buildings consider coming to an agreement with the main contractor to fit fixtures such as WCs & sinks after the flooring has been laid.

- Mark the template 'This Side Up'.
  - Place the sheet in a larger area with the face uppermost.
  - Place the template on top; ensure the direction of decoration on the sheet is correct.
  - Secure the template firmly in position and, with a pair of scribers set at 25mm, mark the position of all obstacles using the template as a guide.
  - Using a sharp trimming knife, cut the sheet to the scribed lines and fit into position.
- NOTE Do not use the felt paper template as an underlay.

## POST INSTALLATION

- Polysafe QuickLay can be trafficked immediately after it has been installed.
- As Polysafe QuickLay can be installed earlier in the Construction programme than traditionally fully bonded floors; consideration should be given to adequately protecting against follow on Trades by covering with a suitable proprietary protective covering.