

## POLYFLOR VINYL FLOORING – Safety Vinyl Flooring

**POLYSAFE™  
APEX 55**
**POLYSAFE™  
QUATTRO PUR**
**POLYSAFE™  
VERONA Pure Colours PUR**
**1. GENERAL INFORMATION**

When installing POLYSAFE™ floor coverings always follow current standards for the installation of floor coverings (VOB, Part C, DIN 18365 in Germany, BS 8203: 2001 in the UK and other relevant national standards), also best current installation practice incorporating the latest technical developments should be employed.

Subfloor preparation and use of correct subfloor materials are essential if the performance benefits from the floor covering being used are to be fully realized. For guidance refer to the instructions provided by the manufacturers of these materials (such as primers, underlays, adhesives etc.). It is important that all the materials used in the subfloor system are compatible, and wherever possible from **one manufacturer**.

On receipt of materials, check that colours correspond to those ordered and that there is no damage or visual defects in the material. In particular, check that the material is from one batch. Claims for visual defects can only be accepted prior to installation and cutting.

**2. TESTING AND PREPARATION OF SUBFLOORS**

Subfloors should be tested and prepared according to current standards for the installation of floor coverings (VOB, Part C, DIN 18365 in Germany, BS 8203: 2001 in the UK and other relevant national standards). Prior to laying, ensure that the subfloor surface is clean, dry, even, smooth, and free from cracks. Make sure that the subfloor does not suffer from rising damp or hydrostatic pressure. Prior to installation the moisture content of the subfloor must be established to ensure that it conforms with the parameters set in the relevant national standards.

A smooth, even and absorbent surface is necessary for correct installation of the flooring. If this is not available, it is recommended that a floor smoothing underlayment be applied prior to the laying of vinyl floor coverings. Porous subfloors must be primed. In installations where underfloor heating is used, current standards should be followed (EN 1264-2). Maximum working temperature on the surface of the flooring is 27°C.

**3. INSTALLATION OF RESILIENT FLOOR COVERINGS**

When installing resilient floor coverings always follow current standards (VOB, Part C, DIN 18365 in Germany, BS 8203: 2001 in the UK and other relevant national standards), also best current installation practice incorporating the latest technical developments should be employed.

To achieve best results, site conditions should be as described in DIN 18365 for Germany (BS 8203 for the UK and as in other relevant national standards). The subfloor must be checked for moisture and should not exceed of 65% relative humidity is required prior to laying the vinyl.

It is strongly recommended that the floor coverings and adhesives are stored and conditioned for at least 24 hours in the areas where they are to be installed before laying. Ensure that the site conditions are kept at a constant level while the adhesive achieves full bond strength.

**INSTALLING PVC FLOORING ROLLS**

In order to guarantee colour matching within an area, the lengths of flooring must be cut from a single roll. It is recommended that an allowance of at least 75 mm is made for trimming in the manufacturing edges before installation.

A utility knife or seam cutter and/or a cutting machine are used to cut the seams. The lengths are then opened out unilaterally, the adhesive is applied and the lengths are placed in the bed of adhesive.

**Adhesive should be applied using a notched trowel as recommended by the adhesive manufacturer, the amount of adhesive that can be spread at any one time is dependent on prevailing site conditions, which can affect the open time of the adhesive. Adhesive manufacturers provide details of the open time and their instructions should be followed. Roll with a 68 kgs articulated floor roller, firstly in the short direction, then in the long. In corners and other awkward areas use a hand roller. Roll the area again between one and four hours later.**

**The adhesive has to have set fully before any traffic on the flooring should be allowed. Always follow the instructions of the adhesive manufacturer.**

**SEAM WELDING**

The seams of the POLYSAFE™ objectflor flooring must be thermally or chemically welded. The welding may not be carried out for at least 24 hours after bonding. In the case of thermal welding prior to welding the material some of the material must be removed from the seam, creating a groove that will accept the weld rod. Two types of groove can be cut.

1) a "U" shaped which leaves a semi circular groove in the vinyl. This should extend into the vinyl for 2/3 of its thickness upto a maximum of 2.0 mm.

2) a "V" shape which leaves a 60° triangular groove in the vinyl. This should extend into the vinyl for 7/8 of its thickness.

We recommend using a hand welder with a special PU-welding nozzle or automatic welding equipment and a temperature of approximately 200 - 250°C to apply the welding rod. When the welding is finished, the welding rod is cut flush using a trimming tool (e.g. Mozart trimming knife).

**For further guidance contact our objectflor Customer Technical Support.**

**Please also refer to our current list of recommended adhesives and our maintenance guide!**