

## Heterogeneous Vinyl Flooring with PUR surface treatment

**EXPONA  
FLOW**
**POLYFLOR  
BLOC PUR**
**POLYFLOR  
SILENTFLOR PUR**
**1. GENERAL INFORMATION**

When installing EXPONA FLOW, POLYFLOR BLOC PUR & POLYFLOR SILENTFLOR PUR always follow current standards for the installation of floor coverings (VOB, Part C, DIN 18365 in Germany 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. **Rolls/sheets must always be stored in an upright position**.

**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, 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 to the parameters set in the relevant national standards.

A smooth, even and absorbent surface is necessary for correct installation of the flooring. It is principally recommended that a floor smoothing underlayment be applied prior to the laying of PVC floor coverings.

In installations where underfloor heating is used, current standards should be followed (Germany: DIN 18365 and EN 1264-2). Maximum working temperature on the surface of the flooring is 27°C.

**3. INSTALLATION**

When installing EXPONA FLOW, POLYFLOR BLOC PUR & POLYFLOR SILENTFLOR PUR floor coverings always follow current standards (VOB, Part C, DIN 18365 in Germany, and other relevant 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: minimum floor temperature of 15°C, minimum room temperature of 18°C and a maximum moisture content of 65 %.

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.

In order to guarantee colour matching within the area, the lengths of the flooring must be cut continuously from a single roll. Depending on the decor, the roll label indicates whether the tiles must be laid in the same direction or upside down. The manufacturing edges must always be trimmed before installation. EXPONA FLOW, POLYFLOR BLOC PUR & POLYFLOR SILENTFLOR PUR features a print layer with a regular repeat decoration and to maximize the final appearance of the installation and to ensure that the decorative effect is not lost it is important that care is taken to align each adjacent sheet. Use a utility knife or a seam cutter and/or a cutting machine to cut the seam.

Once the seams have been cut fold back all the sheets half way and apply the adhesive. Then fold the sheet back into their original position.

Apply the adhesive using a notched trowel as recommended by the adhesive manufacturer. Adhesive manufacturers provide details of the open time and their instructions should be followed. Roll the floor to expel any air bubbles and to ensure good contact with the adhesive. After a period of ca. 45 – 60 minutes (depending on the site conditions) roll the floor again with an articulated roller.

Early trafficking should be avoided, as this will disturb the adhesive bond.

**4. WELDING**

EXPONA FLOW, POLYFLOR BLOC PUR & POLYFLOR SILENTFLOR PUR sheets must be thermally or chemically welded. This may be done once the adhesive is cured, normally at the earliest 24 hours upon installation.

The seam can be grooved out using a hand groover or a power grooving machine (a grooving blade of 3.4 mm is recommended). The groove should not be deeper than 2/3 rds of the thickness of the flooring material, or the thickness of the wear layer (without foam backing). Use a manual welding device with a quick welding nozzle at a suitable welding temperature or an automatic welding device. Following welding, the welding rod is pre-cut using a cutting slide and a spatula knife and once it has cooled down it is finished flat with a spatula knife.

For the chemical or cold welding cover the seam with a masking tape or similar to prevent any excess welding liquid coming into contact with the flooring surface. Cut through the tape at the seam using a utility knife. Apply the welding liquid as per the manufacturer's instructions. Once the welding liquid has cured, the masking tape can be removed.

For further guidance contact our objectflor Customer Technical Support.

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