

POLYFLOR VINYL FLOORING – ESD Vinyl Flooring

**POLYFLOR  
FINESSE SD**

**POLYFLOR  
PALETTONE SD**

**POLYFLOR  
SD**

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OHMEGA EC**

**1. GENERAL INFORMATION**

When installing homogeneous floorcoverings always follow current standards for the installation of floorcoverings (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 floorcovering 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 floorcoverings (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 floorcoverings. Porous subfloors must be primed. 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 OF RESILIENT FLOORCOVERINGS**

When installing resilient floorcoverings 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 floorcoverings 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 TILES**

In order to reduce the waste when cutting to size, it is recommended that you measure out the area to be covered and match the tile layout to this. Chalk lines are then applied across the length and breadth of the area in accordance with the above-mentioned layout.

The tiles are then installed tessellated into the bed of adhesive. Care must be taken to ensure that the tiles are "in bond".

**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.**

**Early trafficking should be avoided as this may disturb the adhesive bond and weaken it.**

**INSTALLING STATIC CONTROL FLOORING**

**Conductance to Earth**

Lengths of metal earthing tape are adhered to the prepared substrate using a contact adhesive. The layout of the earthing grid depends upon the POLYFLOR ESD product used and the room layout. The POLYFLOR ESD vinyl should then be adhered to the prepared substrate using an approved conductive acrylic adhesive. A competent electrician should connect the earthing grid to the building earthing system.

The choice of POLYFLOR ESD product and method of installation is dependant on the specification required by the end user. Access panel applications require specific instructions to ensure product performance and achievement of electrical results outlines. Please contact objectflor technical support for further Information.

**Seam welding**

The seams of the homogeneous 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.

To apply the welding rod, use a welding gun fitted with a speedweld nozzle. At a temperature of approx. 200 to 250°C, an automatic welding can also be used. Following welding, the welding bead is trimmed using a trimming spatula fitted with a trimming guide. When the weld has cooled the weld is trimmed flat using the trimming spatula only.