



- The flooring shall be Polyflor EC, as manufactured by Polyflor Ltd. of Manchester, England.
- The flooring shall be flexible PVC sheet flooring with electrostatic conductive properties in 2.0mm thickness.
- It shall be homogeneous and monolayer in construction.
- The electrostatic conductive properties must be present throughout the full product thickness.



- The flooring shall conform fully with the requirements of EN 649.
- In respect of flamespread, the flooring shall have been fully tested to EN 13501-1 and certified as having Class Bfl-S1, achieving the criteria EN ISO 9239-1 $\geq 8 \text{kw/m}^2$ and the mandatory requirement of EN ISO 11925-2 pass. It shall be tested to ASTM E648 and certified as having passed with a Class 1 rating, making it suitable for use in institutional, commercial and public buildings.
- With regard to EN 13893 for slip resistance, the flooring shall be classified DS, making it suitable for use in areas which are predominantly dry, but with occasional spillage.
- The product must have been fully tested for abrasion resistance to the Frick Taber test EN 660: Part 2 and be in abrasion group M, as defined in EN 649.
- With regard to electrostatic conductive properties, the flooring must conform to the requirements of HTM2. Tested to ASTM F150 the flooring must have a resistance of between 2.5×10^4 to 1×10^6 ohms. When tested to EN 1081 R₁/R₂ the flooring must have a resistance of between 5×10^4 to 1×10^6 ohms. When tested to ESD S7.1, the flooring must have a resistance of between 5×10^4 to 1×10^6 ohms. Tested to BS IEC 61340-4-1:2003 R_c the flooring must have a resistance between 5×10^4 to 1×10^6 ohms. When tested to BS 2050 the surface resistance and resistance to earth should be between 5×10^4 to 2×10^6 ohms.
- In accordance with EN 649, the in-use classification must be at least 34/43 as defined in EN 685.
- The flooring must be available in 2.0 metre width, to minimise the number of joints.
- In respect of light fastness, the flooring shall have been fully tested to ISO 105-B02 Method 3 as having a pass to ≥ 6 .



- The manufacturer of the floorcovering must be in possession of a valid quality systems certificate, showing compliance with BS EN ISO 9001: 2000.
- The manufacturer of the floorcovering must be in possession of a valid environmental certificate, showing compliance with ISO 14001.



- A moisture test must be carried out, to ensure that the subfloor has dried out to a level consistent with the application of vinyl flooring. The test should be carried out using a hygrometer, in accordance with the instructions in BS 8203. The result should not exceed 75%RH, once equilibrium has been achieved.
- The adhesive used must be approved by Polyflor, to ensure full product compatibility.
- Products must be fully conditioned to the environment in which they are to be installed, as outlined by Polyflor.
- Installation must be carried out in accordance with BS 8203 and the instructions of Polyflor, to ensure product performance and achievement of electrical results outlined above.
- All joints must be welded.



- Polyflor Electrostatic Conductive products are recommended for use in electronics manufacturing - wafer fabrication, product assembly, inspection and storage; laboratories; clean rooms and defence establishments. Polyflor EC is also recommended for healthcare facilities where gases and/or electronic equipment are used during medical procedures - operating theatres, anaesthetising areas, intensive-care units and radiology departments.



- At the date of issue the data presented is correct. However, Polyflor Ltd. reserve the right to make changes which do not adversely affect performance or quality.
- For information regarding handling and installation, advice on specific applications, adhesives, maintenance and chemical resistance, consult Polyflor.
- Access Panel applications require specific fitting instructions, to ensure product performance and achievement of electrical results outlined. Contact Polyflor Customer Technical Support Department on 0161 767 1111 for information.

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 FLOORING



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PRODUCT SPECIFICATION

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