

# Polysafe Astral PUR

Polysafe Astral PUR is a heavy-duty safety flooring with a multi-flake decoration. Ideal in hygiene critical locations subjected to contaminant spillages, Astral provides sustainable slip resistance and continued underfoot protection. Featuring a Polysafe PUR maintenance enhancement for improved cleanability, the range is used in water spillage areas such as food preparation areas, bar serveries, clinics, laundry and sluice rooms, washrooms, WCs, laboratories, classrooms and many institutional applications. For continually wet areas such as showers, please refer to our Polysafe Hydro, Hydro Evolve or Ultima ranges.



## PRODUCT SPECIFICATION



- The flooring shall be Polysafe Astral PUR, as manufactured by Polyflor Ltd. of Manchester, England.
- The flooring shall be flexible PVC sheet flooring in 2.0mm thickness., and will contain a selection of the following safety aggregates to impart enhanced slip resistance: silicon carbide, coloured quartz, natural recycled aggregates and aluminium oxide granules.
- The flooring shall feature a high quality, cross-linked polyurethane reinforcement to provide superior cleaning benefits, life cycle maintenance savings and optimum appearance retention.
- The flooring shall be manufactured by spreading liquid PVC onto a random glass fibre carrier sheet in one operation. The glass fibre carrier sheet shall be fully encapsulated in PVC.



- The flooring material shall fully conform with the European Norm for safety flooring - EN 13845.
- In respect of flamespread, the flooring shall be certified as Class Bfl-S1 according to EN 13501-1. The flooring shall have been fully tested to ASTM E648 by an independent test house and have a Class 1 rating, making it suitable for use in institutional, commercial and public buildings.
- The flooring must have been fully tested by an independent test house to the RRL Pendulum Test (4S Rubber/Slider 96) and have typical results of  $\geq 36$  in the wet, with a surface roughness of  $Rz \geq 20\mu m$ , making it suitable for areas where enhanced slip resistance is required.
- The product must have been fully tested for abrasion resistance to EN 13845, passing the 50,000 cycles test and also meeting EN 660-2 Abrasion Group T.
- The flooring shall possess a valid Agrément certificate when laid in accordance with the instructions of Polyflor, with coved skirtings and welded joints.
- This product does not accumulate static charges above 2kV and is classified as 'antistatic' when tested to EN 1815. For specialist applications where there is a requirement to dissipate the electrostatic charge, see the Polyflor ESD product ranges.
- The flooring must be available in 2.0 metre width, to minimise the number of joints.
- The flooring must be suitable for Use Area Classification 23/34/43, as defined in EN ISO 10874 (EN 685).
- In respect of light fastness, the flooring shall have been fully tested to ISO 105-B02 Method 3 and obtain  $\geq 6$ .



- The flooring will achieve a BRE Global Environmental A+ rating ENP 472 in the Green Guide to Specification in major use areas such as education and healthcare. Refer to BRE Global Ratings on [www.greenbooklive.com](http://www.greenbooklive.com)
- Generic EN 15804 Environmental Product Declaration (EPD) available on request.
- The manufacturer should provide a facility to take back and recycle waste vinyl flooring material through the Recofloor scheme.
- The flooring shall be tested to and pass key independent, international standards for low VOC emissions.
- The product will achieve BES 6001 certification for responsible sourcing, obtaining a Very Good rating.



- The manufacturer of the floorcovering must be in possession of a valid quality systems certificate, showing compliance with BS EN ISO 9001.
- 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 in accordance with the instructions in BS 8203 in the UK and other relevant national standards. The result should not exceed 75%RH, if using a hygrometer, 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.
- All joints must be welded to produce hygienic, continuous floors.
- Suitable for use with underfloor heating up to 27°C. See Polyflor Technical Information Manual for details.



- Polysafe safety flooring ranges have good resistance to dilute acids and alkalis, are compatible for use with the most commonly used alco-based hand gels and are suitable for steam cleaning on a periodic basis. Chemical resistance charts available on request. For information regarding handling and installation, adhesives, maintenance, applications, chemical resistance and product warranty, consult Polyflor Customer Technical Services on +44 (0)161 767 1912, or email [tech@polyflor.com](mailto:tech@polyflor.com). The slip resistance across all Polysafe products is assured throughout the guaranteed life of the product, with strict adherence to HSE Guidelines.
- As with all Polysafe products, Polysafe Astral PUR should not have a polish applied.  
The data presented is correct at the time of printing. For latest information, please visit our website [polyflor.com](http://polyflor.com).

