



- The flooring shall be Polysafe Astral, as manufactured by Polyflor Ltd. of Manchester, England.
- The flooring shall be flexible PVC sheet flooring in 2.0mm thickness, containing silicon carbide, coloured quartz and aluminium oxide granules, to impart enhanced slip resistance.
- The flooring shall incorporate Supratec<sup>+</sup>, an exclusively developed polymer system with polyurethane, to give significant and sustainable maintenance benefits.
- The flooring shall be manufactured by spreading liquid PVC onto a bonded scrim-tissue in one operation. The bonded scrim-tissue 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 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 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 results of  $\geq 36$  in the wet, with a surface roughness of  $R_z \geq 20 \mu\text{m}$ , making it suitable for use in areas where enhanced slip resistance is required.
- The product must have been fully tested for abrasion resistance to the Frick Taber test EN 660: Part 2 and be in abrasion group T, as defined in EN 649 and EN 13845 50,000 cycles.
- 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 possess a valid Agrément certificate rating the product G5ws, when laid in accordance with the instructions of Polyflor, with coved skirtings and welded joints.
- The flooring must be available in 2.0 metre width, to minimise the number of joints.
- The flooring will achieve a BRE Global Environmental A+ Rating in major use areas such as education and healthcare.
- The manufacturer should provide a facility to take back and recycle waste vinyl flooring material through the Recofloor scheme.
- The flooring is suitable for Use Area Classification 23/34/43, as defined in 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 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.
- All joints must be welded.



- Polysafe Astral is designed for use in areas where enhanced slip resistance is required. The Supratec<sup>+</sup> system provides greater confidence in specifying for areas which are subject to contaminant spillages and are hygiene critical locations e.g. food preparation areas, kitchens and bar serveries. The advantages in cleanability make Polysafe Astral suitable for general areas e.g. supermarkets, clinics, laundry and sluice rooms, nursing homes, washrooms, WCs, schools and universities, laboratories and many institutional applications. For continually wet areas, please refer to our Polysafe Hydro range.
- 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 should not have a polish applied.



- At the date of issue the data presented is correct. However, Polyflor Ltd. reserves the right to make changes which do not adversely affect performance or quality. Polysafe safety flooring ranges are compatible for use with the most commonly used alco-based hand gels and are suitable for steam cleaning on a periodic basis. For clarification and for information regarding handling and installation, adhesives, maintenance, applications and chemical resistance, consult Polyflor Customer Technical Services on +44 (0)161 767 1912, or email tech@polyflor.com.

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POLYFLOR  
**POLYSAFE™**  
**ASTRAL**

WITH NEW



**SAFETY FLOORING**

**PRODUCT  
 SPECIFICATION**

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 COVERING THE WORLD