

# Polysafe™ Hydro

Polysafe Hydro is a heavy-duty safety flooring specially designed with a pimple emboss, giving greater confidence in specifying for areas that are subjected to constant running water and where enhanced slip resistance is a prime consideration. Suitable for areas where barefoot or soft soled footwear is worn such as walk-in showers, wet rooms, hydrotherapy areas, changing rooms and indoor swimming pool surrounds. Also suited to shod areas based on an end user's risk assessment.



## PRODUCT SPECIFICATION



- The flooring shall be Polysafe Hydro, 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 material shall fully conform with the European Norm for safety flooring - EN 13845.
- In respect of flamespread, the flooring shall be categorised 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 (Slider 55/96 Rubber) and have results of  $\geq 36$  in the wet, with a surface roughness of  $Rz \geq 20\mu m$ , making it suitable for use in areas where enhanced slip resistance is required in barefoot or shod conditions. A result of Class B to AS 4586 Part C & DIN 51097 should be achieved. The product should be certified as R10 to DIN 51130.
- The flooring shall meet the water tightness requirements in EN 13553, meaning suitability for installation in special wet areas.
- 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 P.
- This product should 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 shall possess a valid Agrément certificate 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 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 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 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 Hydro 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).



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