



- The flooring shall be Polysafe Hydro Evolve, 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: coloured quartz, natural recycled aggregates and aluminium oxide granules.
- 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 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 (TRL/4S Rubber) and have results of ≥ 36 in the wet, with a surface roughness of $R_z \geq 20\mu m$, 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/NZS 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 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 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 is 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 ≥ 6 .



- The flooring will achieve a BRE Global Environmental Generic A+ rating in major use areas such as education and healthcare.
- 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 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 Hydro Evolve is specially designed with a raised profile 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 - examples include walk-in showers, hydrotherapy areas and barefoot recreational areas such as changing room facilities and indoor swimming pool surrounds. Hydro Evolve is also suitable for shod areas based on an end user's risk assessment. Alternatively, please refer to other Polysafe ranges.
- 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 Evolve should not have a polish applied.



- 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, chemical resistance and product warranty, consult Polyflor Customer Technical Services on +44 (0)161 767 1912, or email tech@polyflor.com.
- 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.

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 FLOORING



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Polysafe™
hydro|evolve
 a clear step forward

SAFETY FLOORING

PRODUCT SPECIFICATION



In collaboration with the European Resilient Flooring Manufacturers' Institute (ERFMI), Polyflor Ltd supports sustainable construction via Environmental Product Declarations (EPDs).

