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Education

EXPERTS IN EDUCATION FLOORING



Education

EXPERTS IN EDUCATION FLOORING

HELPING THE LEARNING PROCESS

Twenty-first century learning is about the provision of inspirational education facilities that puts both pupils and staff at the heart of the school, and increasingly, the local community.

Pleasing surroundings can inspire children. Layout, along with facilities and resources, all play a vital role in the creation of an environment conducive to learning.

Integral to the design, the choice of floorcovering will have a major impact on the overall 'feel' of an educational building and floors that are bright and colourful, classic or contemporary, can add character to a lively modern building.

WORLDWIDE EDUCATION EXPERIENCE

As a leading commercial vinyl flooring supplier to the Education sector over many years, customer focus and continuous improvement are the two principles that have guided the expansion of our products to be environmentally sustainable, easier to use and multi-functional.

Part of the James Halstead Flooring Group, Polyflor is the only UK-based manufacturer of a full range of resilient floorcoverings. The versatility of these flexible coverings, combined with added surface protection creates a portfolio of hardwearing, easy-to-clean and attractive floorcoverings fit-for-purpose and ideal for today's modern education facilities, throughout the world.

Within the UK we are well positioned to support projects from our distribution centre in Oldham, equipped with state-of-the-art picking and stock control systems and by operating our own transport fleet.

To further ensure excellent product availability around the world, Polyflor has developed strong relationships with its extensive network of international distribution partners.

SUSTAINABLE SOLUTIONS

School flooring has to be hardwearing and tough. Floors throughout any school or college have diverse needs that can differ from area to area, depending on the function of the room, the age of pupils and expected activity and traffic levels.

For many decades Polyflor has been recognised as a leading global manufacturer of high quality, high performance floorcoverings. We do not manufacture a specific range of 'environmental flooring'. However we do consistently manufacture vast ranges of the highest quality, independently tested commercial flooring with a level of performance and benefits in use which result in class leading environmental features.

FRONT COVER IMAGE: POLYSAFE STANDARD PUR

"Over 5,000m² of slip resistant Polysafe Standard PUR safety vinyl flooring has been installed at the pioneering £40 million Bexhill High School in East Sussex"



THAMES PRIMARY SCHOOL | UK

THOMAS MORE SCHOOL | UK

BEST VALUE FLOORING

The modern learning environment poses a significant challenge as education premises are varied and often complex sites.

Budgets can be tight in new build or refurbishment projects and any client will wish for their floor to remain in excellent condition throughout its entire guaranteed life and the cleaning process to be as cost-effective and straightforward as possible.

Polyflor continues to be able to offer 'best value' flooring solutions where high quality and high performance are a given. This together with the availability of low maintenance products, including our groundbreaking development in the cleanability of safety flooring, can generate significant life cycle cost savings.

DESIGN & COLOUR

The creation of a stimulating and fun environment can be achieved through the effective use of design and colour.

Polyflor possesses a broad palette of contemporary colours, as well as stone, marble and wood effect designs giving the specifier the opportunity to create bespoke schemes with a distinct non-institutional feel.

When developing a flooring concept, the Polyflor Design Service helps you to create a precision-cut, easy to install floor design to transform any educational facility.



PARKLANDS SCHOOL | UK



BREEAM for education is an assessment method and certification scheme that can be used in design, construction and refurbishment stages of a building's lifecycle.¹

¹ www.breeam.org

Where the focus of a school is on sustainability and improving the environmental performance of a building, BREEAM for education allows designers to illustrate the environmental performance of their designs to pupils and teachers. The process also allows for regular assessments that are required by various regulatory and government organisations as a condition of funding.

BRE GLOBAL INDIVIDUAL CERTIFICATION

Polyflor's safety, homogeneous, heterogeneous and LVT ranges have been individually assessed by BRE Global to measure their environmental impact. A better rating helps to maximise a building's BREEAM score which is achievable through our 27 A+ ratings in Education. For more information on our certification, visit www.greenbooklive.com

SAFETY	Certificate	Education
Polysafe Astral PUR	ENP472	A+
Polysafe Mosaic PUR	ENP472	A+
Polysafe Corona PUR	ENP472	A+
Polysafe Vogue Ultra PUR	ENP472	A+
Polysafe Standard PUR	ENP472	A+
Polysafe Wood fx PUR	ENP415	A+
Polysafe Wood fx Acoustix PUR	ENP415	A+
Polysafe Hydro	ENP472	A+
Polysafe Strata	ENP472	A+
Polysafe Ultima	ENP472	A+

HOMOGENEOUS	Certificate	Education
Pearlazzo PUR	ENP472	A+
2000 PUR	ENP472	A+
Classic Mystique PUR	ENP472	A+
Mystique PUR	ENP472	A+
Prestige PUR	ENP472	A+
Standard XL	ENP472	A+
XL PU	ENP472	A+

HETEROGENEOUS	Certificate	Education
Harmony fx PUR	ENP415	A+
Forest fx PUR	ENP415	A+
Mineral fx PUR	ENP415	A+
Acoustix Harmony fx PUR	ENP415	A+
Acoustix Forest fx PUR	ENP415	A+
Acoustix Gallery fx PUR	ENP415	A+

LVT	Certificate	Education
Expona Design PU	ENP429	A+
Kudos PU	ENP429	A+
Expona Commercial PUR	ENP429	A+
Bevel Line PU	ENP429	A+



BRE GLOBAL GENERIC RATINGS

Where Polyflor products have not been individually certified by BRE Global, generic ratings are available. Vinyl flooring achieves on average a generic BRE Global A+ rating for most vinyl varieties across many categories, including healthcare and education.

For more detail about how these ratings are arrived at, visit www.bre.co.uk/greenguide

A BENCHMARK FOR ENVIRONMENTAL EXCELLENCE

The BRE method of environmental profiling continues to ensure that independent, reliable and comparable environmental information is available in the marketplace. Using these ratings sets a benchmark for environmental excellence and ensures consistency across BREEAM Education schemes.

INDOOR AIR QUALITY (IAQ)

Indoor air quality is a key consideration when selecting building products. Within a busy school environment special attention is paid to levels of indoor air quality in order to ensure the comfort of students through stringent management practices.

Polyflor vinyl flooring makes a significant contribution towards creating indoor environments with very low VOC (volatile organic compounds) emissions.

INDEPENDENT AND RIGOROUS VOC TESTS

Tested to a variety of international standards including AgBB, Swedish BPD (FLEC test), Finland M1 test, GBCA Compliant (Green Tag approval) and FloorScore®, Polyflor continuously looks to reformulate ranges to ensure their VOC emissions are kept to the lowest levels achievable.

The most recent test method is 'Indoor Air Comfort Gold' from Eurofins and it is the most comprehensive and stringent on the market, testing for all known emissions.



At Polyflor we are clear in our belief that there is no reason for our customers to compromise on performance, choice or budget in order to use products with the lowest environmental impact.



ENTRANCE AND RECEPTION AREAS



RADCLYFFE SCHOOL | UK

ENTRANCE AREAS

Create the perfect first impression with a welcoming yet secure entrance area for pupils, staff and visitors. As the main entry point to the rest of the school, entrance floors often have to cope with dirt and moisture being brought in on the soles of shoes in this heavily trafficked area.

An effective dirt barrier system should be considered early in the specification stage, providing a useful addition to other cleaning mechanisms.

Fulfilling a number of functions, entrance flooring often incorporates the school logo or crest as a central feature, providing a highly colourful and warm welcome to visitors.

OFFICE / RECEPTION AREA

The reception is a vital part of the school as it often houses the office and administration function, as well as being the first point of contact for visitors.

The choice of floorcovering can enhance the existing décor, at the same time as providing a high design and hardwearing option suitable for an area of intense footfall.

achieve



CORRIDORS AND WALKWAYS

CORRIDORS AND WALKWAYS

Corridors or 'learning streets', as areas of high circulation, experience intense heavy traffic at set times of the day.

Durability is paramount as the rough and tumble of everyday school life places rigorous demands in these areas. Manufactured to European Standards, Polyflor floorcoverings have excellent durability with a high resistance to abrasive wear throughout their life.

Clear information signs and department locators can be incorporated into floor schemes to help pupils navigate around a school or to personalise a space.

To minimise noise transfer in busy corridors, acoustic sheet vinyl floorings provides a high impact sound reduction of 19dB and features a polyurethane surface reinforcement (PUR) for reduced maintenance costs.

Alternatively Acoustifoam - a closed cell PVC foam backing sheet - designed to be installed beneath standard Polyflor vinyl and rubber sheet will achieve an impact sound reduction level of 18dB, and further extends the choice of decoration and product type of acoustic floorcoverings.

ACOUSTIX FOREST FX PUR

HAREFIELD ACADEMY | UK





HOLY CROSS COLLEGE | UK

TRADITIONAL & OPEN PLAN LEARNING AREAS

CLASSROOMS

The classroom environment is very important to pupils and staff.

High performance and good looks are key to classroom flooring. The extensive colour palette and design options available from Polyflor enable the flooring to colour integrate with existing interior finishes, and contribute to the creation of pleasant and comfortable surroundings.

A flexible classroom layout can promote different learning activities amongst students and shapes, patterns or pictures within the floor can define the space.

ICT SUITE

The design and layout of the Information and Communication Technology (ICT) room should provide adequate access to workstations and interactive whiteboards for pupils and teaching staff.

Design elements within flooring can be used to define work areas and provide visual interest through the use of strong colourful themes found within the Polyflor portfolio.

SCIENCE LABS / TECHNOLOGY WORKSHOPS

Resistance to stains and reagents, along with easy maintenance are major considerations in any school laboratory.

Polyflor vinyl floorcoverings are suitable for use in all areas where most chemicals are used and there is only risk of accidental spillage.

A comprehensive guide to chemical effects and staining by product shade is available on request.

Another big concern in this area is slip resistance. Polysafe flooring fully adheres to HSE Guidelines, giving users confidence in the ability of the floor to deal with contaminant spillages whilst providing sustained slip resistance performance for the guaranteed life of the product.

DRAMA STUDIO / MUSIC CLASSROOM

Rehearsal rooms and performance spaces are becoming increasingly accessible to students. Options from within the Polyflor range of floorings can be used to create impressive bespoke settings.

Where there is a risk of water spillage, flooring from the Polysafe ranges can be installed or if acoustics are a concern, highly realistic wood and stone designs are available for areas which require impact noise reduction.



BEXHILL HIGH SCHOOL | UK



NORTH CHADDERTON SCHOOL | UK



STUDY AREAS

LECTURE THEATRE

The acoustic requirements of lecture theatres are demanding.

Building Bulletin 93 (BB93) - Acoustic Design of Schools - is a very useful first port of call on this subject and provides a comprehensive guidance for architects, acousticians and others involved with new school buildings.

The Polyflor Acoustix Flooring collections provide impact sound reduction to meet Building Regulation Part E and are manufactured in accordance with EN ISO 140-8.

With a high design potential and featuring a polyurethane reinforcement for easier maintenance and reduced cost, the Polyflor Acoustix ranges can provide an alternative to traditional acoustic products.

LIBRARY / STUDY AREA

Today the modern library often incorporates information areas and student support centres, alongside traditional book lending services and study rooms.

The most serious acoustic problems within any learning environment are often due to noise transfer between rooms.

The objective of sound insulation of floors is to attenuate impact sound at source, for example footsteps and furniture movement, transmitted into spaces via the floor.

Designed and developed to provide an alternative solution to impact sound reduction requirements, Polyflor offer several acoustic flooring solutions, along with a foam-backing sheet, Acoustifoam. Acoustic flooring is only part of the action that can be taken, as the use of ceiling and wall panels, fabrics, textiles and plants can help to reduce noise levels.

ART / DESIGN RESOURCE AREA

Safety flooring is typically used in arts and crafts rooms where there is a risk of spillage or wetness that could make the floor slippery and unsafe.

To ensure slip performance can be assured for the guaranteed life of the product, aggregates are incorporated throughout the full thickness of the product's wear layer.

The aggregates combine with the surface emboss to provide a rougher, harder friction surface to 'bite' into the under surface of footwear when walked upon and create the necessary friction and underfoot safety.



DINING AREA / SERVERIES

Dining areas are key focal points within a school.

Good use of colour and a variety of seating arrangements, can impact on the feeling of openness within a dining area, as schools look to create stylish and pleasant surroundings for both students and staff.

Durability, slip resistance and a high hygiene requirement are essential characteristics of dining area flooring and options are available across the Polyflor portfolio to suit all levels of specified performance.

Serveries are as vulnerable to spillage as kitchen areas and such areas require floorcoverings with enhanced slip resistance as they are continually subjected to continuous footfall and movement across the floor.

The Polysafe collection of products offer a true indication of a safe floor with aggregates throughout the product's wear layer thickness to ensure sustainability and durability in performance.

KITCHEN

Food preparation and kitchens are challenging areas.

The specified flooring has to give users continued confidence in terms of enhanced slip resistant properties, whilst having an intrinsic surface roughness able to deal with contaminant spillages, including oil and grease.

Designed to suit specification into extremely demanding application areas, Polysafe Ultima's pendulum and surface roughness results classify the product as low slip potential.

SPORTS AND WET AREAS

SPORTS HALL / GYMNASIUM

Specialist floorcoverings are recommended for use in school and local authority sports halls, gymnasias and leisure centres that provide the underfoot resilience and long life demanded by such high traffic applications.

Tested in accordance with EN 14904 and Sport England compliant, Polyflor Sport 67 and Sport 80 are suitable for a wide range of sporting activities including indoor football, basketball, volleyball, gymnastics, badminton and others. Line markings can be painted on as required to identify the playing areas for specific sports.

CHANGING ROOMS

Within a changing room the floor surface can become contaminated with mud or water from pupils entering and so the most important feature, along with easy maintenance, durability and hygiene, is preventing slips and falls.

Aggregates within Polysafe products combine with the surface emboss to create the necessary friction and underfoot safety meeting the performance requirements of the European Norm for Safety Flooring (EN 13845) and the stringent requirements set down in the 50,000 cycles abrasion test.

SHOWERS / TOILETS

Wet area flooring needs to be durable, easily cleaned, hygienic and slip resistant.

For areas that get wet there is a HSE requirement for a pendulum result of a minimum of 36 measured with a 4S Rubber (now called Slider 96), as well as a minimum surface roughness of 20 microns.

All Polysafe ranges achieve these levels of enhanced slip resistance and this is assured for the guaranteed life of the flooring.

All Polyflor commercial sheet vinyl ranges provide a continuous, impervious and hygienic flooring solution which can be confidently cleaned in accordance with recommended maintenance procedures and approved maintenance products. The implementation of an effective cleaning regime is the most important defence against infection.



Polysafe Hydro Evolve is a product fully suited to special wet areas, including indoor swimming pool surrounds and fully adheres to the water tightness standard EN 13553 and to EN 13845, the European Norm for safety flooring.

TOTTINGTON SCHOOL | UK

FLINT HIGH SCHOOL | UK

WELLINGTON COLLEGE | UK

POLYSAFE HYDRO EVOLVE





THE COOKING SCHOOL | UK

LOW MAINTENANCE OPTIONS

Poor maintenance damages aesthetics, impairs performance, shortens floor life and creates hygiene problems in critical areas. In recognition of this, Polyflor provides low maintenance options right across our product portfolio, such as Polyflor PUR, Polyflor PU, Polysafe PUR and Polysafe Supratec PUR.

This combined with in-depth cleaning guides and technical support will help cleaning staff achieve a long-lasting hygienic and attractive floor.

CLEAN AND HYGIENIC

Good basic hygiene procedures and precautions are required throughout schools and colleges to ensure safe practice and prevent the spread of infection. This includes ensuring the flooring is kept clean.

A clean floor is a healthy floor

To further encourage hand hygiene compliance, alco-based hand gels are being increasingly used. Often sited where there are no handwashing facilities, many dispensers are housed along with a drip tray and instructions to 'rub hands together until dry'. Polyflor homogeneous PUR, heterogeneous PUR and Polysafe safety flooring ranges are compatible for use with the most commonly used alco-based hand gels. Some alco-based hand gels contain a high concentration of ethanol and to discuss their compatibility with other Polyflor floorcoverings, contact the Customer Technical Services Department (tech@polyflor.com).

The Polyflor homogeneous PUR and Polysafe ranges are also suitable for steam cleaning on a periodic basis.

SEAMLESS WELDING AND COVING

Vinyl sheet flooring can be welded at the seams, forming an impervious base that facilitates ease of cleaning by eliminating gaps and cracks where dirt can gather.

RESISTANCE TO CHEMICALS

Polyflor vinyl floorcoverings are suitable for use in all areas where most chemicals are used and there is only risk of accidental spillage.

A comprehensive guide to chemical effects and staining by product shade is available upon request.



- Polyurethane surface treatment which provides an excellent foundation for an easy, ongoing maintenance regime, available on **XL PU**.
- Facilitates a considerable reduction in energy, water, polish and chemicals.
- **24% maintenance cost savings** over its typical 20 year life when compared with untreated homogeneous vinyl flooring.



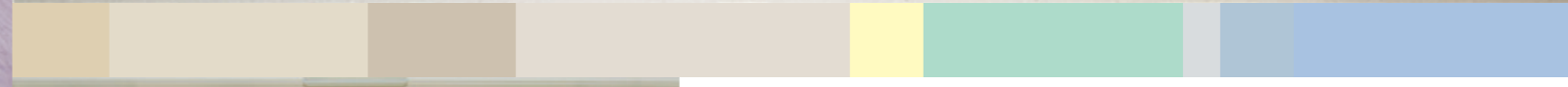
- Maintenance enhancement available on leading Polyflor homogeneous ranges and luxury vinyl tiles (LVT).
- Polyflor's PUR is a polyurethane reinforcement to facilitate an easier and more environmentally friendly maintenance regime.
- PUR reinforcement is specially cross-linked and UV cured for superior cleaning benefits, enhanced protection and optimum appearance retention.
- Facilitates a **lifelong polish free maintenance** regime and consumption of energy, water and chemicals are significantly reduced.
- **48% maintenance cost savings** over its typical 20 year life when compared with untreated homogeneous and LVT vinyl flooring.



- Maintenance enhancement available on decorative **Polysafe Modena PUR, Polysafe Arena PUR, Polysafe Mosaic PUR, Vogue Ultra PUR, Polysafe Standard PUR, Wood fx PUR, and Wood fx Acoustix PUR**.
- Polysafe PUR is an exclusive polyurethane reinforcement applied to the product to facilitate easier soil release.
- PUR reinforcement is specially cross-linked and UV cured for **superior cleaning benefits and optimum appearance retention**.
- **60% life cycle maintenance cost savings** achieved when compared with untreated safety flooring.
- Easier maintenance regime means reduced need for energy intensive cleaning, chemical usage and water consumption, keeping environmental impact to a minimum.



- Maintenance enhancement available on leading Polysafe ranges - **Corona PUR and Astral PUR**.
- Engineered to provide the best in colour, aesthetics and flexibility.
- Polysafe Supratec PUR is an exclusive polyurethane reinforcement to facilitate easier soil release.
- PUR reinforcement is specially cross-linked and UV cured for **superior cleaning benefits and optimum appearance retention**.
- **60% life cycle maintenance cost savings** achieved when compared with untreated safety flooring.
- Easier maintenance regime means reduced need for energy intensive cleaning, chemical usage and water consumption, keeping environmental impact to a minimum.



COVERING THE WORLD

**CUMBERLAND EARLY EDUCATION CENTRE
LEARNING THROUGH PLAY**

The Waikato Kindergarten Association recently built their fifth Early Education Centre in Cumberland, New Zealand. Designed to blend in with its residential surroundings, the flagship building incorporates a sense of fun in line with the child education ethos of learning through play. Sustainability was an important aspect of the project brief and Polyflor flooring played its part in helping Cumberland Early Education Centre with its sustainability goals.

**Products used: Pearlazzo PUR (play areas and kitchen)
Polysafe Corona PUR (bathrooms)**



The **Polyflor** Design Service *Completing the picture*

There's virtually no limit to the shape, patterns or pictures you can create with the help of the Polyflor Design Service. Using the world's most advanced computerised waterjet cutting machines to transform the design into a flooring 'jigsaw', with astonishing precision, the opportunity to create a bespoke piece of artwork becomes a reality.

For more information and to view our standard designs, motifs and borders, visit www.polyflor.com/design