

Education

EXPERTS IN EDUCATION FLOORING

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HELPING THE LEARNING PROCESS

Twenty-first century learning is about the provision of inspirational educational facilities that puts both pupils and staff at the heart of the school.

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.

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.

FLOORCOVERING SELECTION GUIDELINES

Floors throughout any school or college have diverse needs that differ from area to area and depend on the age of the pupils, expected activity and traffic levels.

When it comes to making an informed decision on which flooring to choose, a Government guidance document, Standard Specifications, Layouts and Dimensions 2 (SSLD2) sets out the standards of performance for finishes in schools so that consistently high quality environments can be delivered, offering best whole-life value for money.

Vinyl is included as one of the example materials, and Polyflor's products consistently match the variety of performance characteristics required by educational environments.

BEST VALUE FLOORING

The modern learning environment poses a significant challenge as education premises are varied and often complex sites. Budgets are tight in many new build or refurbishment projects and any client will wish for their floor to remain in excellent condition throughout its entire life and for 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 Expressions Design Service helps you to create a precision-cut, easy to install floor design to transform any education facility.

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 - ideal for today's modern education facilities.

Part of the James Halstead Flooring Group, Polyflor is the only UK-based manufacturer of a full range of resilient floorcoverings.

We are well positioned to support projects throughout the UK from our brand new distribution centre in Oldham, equipped with state-of-the-art picking and stock control systems.

To further ensure excellent product availability, Polyflor has developed strong relationships with its extensive network of distribution partners throughout the UK and worldwide.



ENVIRONMENTALLY PREFERABLE FLOORING



BREEAM Education helps schools and further education colleges to set environmental targets for new and refurbished education buildings. It also serves as a useful tool for designers by demonstrating the environmental performance of their designs.

The development of BREEAM Education was driven by the sustainable development action plan, which called for both new build and refurbishment projects to achieve no less than a BREEAM 'very good' rating.

BRE GLOBAL CERTIFICATION

Polyflor's homogeneous, safety and heterogeneous ranges have been individually assessed by BRE Global to measure their environmental impact. Polyflor is the first vinyl flooring manufacturer to achieve A+ certified environmental ratings for currently 20 of its products from BRE Global, certificate number ENP336 and ENP415.



Safety

Polysafe Astral PUR	Polysafe Mosaic PUR	Polysafe Corona PUR	Polysafe Hydro	Polysafe Standard	Polysafe Strata
Polysafe Ultima	Polysafe Vogue Ultra PUR	Polysafe Wood FX PUR	Polysafe Wood FX Acoustic PUR		

Homogeneous

2000 PUR	Classic Mystique PUR	Mystique PUR	Prestige PUR	Standard XL	XL PU

Heterogeneous

Forest FX PUR	Stone FX PUR	Forest FX Acoustic PUR	Gallery FX Acoustic PUR



Overall, Polyflor's certified ratings are impressive, particularly in the key area of education, where BREEAM ratings are a condition of capital funding.

For more information on our certification, visit www.greenbooklive.com

Where Polyflor products have not been individually certified by BRE Global, generic ratings are also available. Vinyl flooring achieves on average a generic BRE Global A+ rating for most vinyl varieties. Within the Education sector - all Polyflor categories - Homogeneous, Heterogeneous, Acoustic, LVT, Safety and Rubber - achieve a generic BRE Global A+ rating.

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 Educational schemes.

INDOOR AIR QUALITY (IAQ)

Indoor air quality is, quite rightly, a key environmental 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 and health of students through stringent management practices.

Polyflor vinyl flooring makes a significant contribution to creating indoor environments with very low VOC emissions.

Tested to some of the most stringent international standards - FloorScore® and AgBB - Polyflor continually develop and improve formulations for all flooring ranges to ensure their VOC emissions levels are kept at the lowest levels achievable and provide no significant negative contribution to indoor air quality within a school environment.



POLYSAFE ASTRAL PUR | A+ RATED



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.





www.deeside.ac.uk

Style Cafe

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.

For a combination of excellent acoustic performance and sustainable slip resistance, Polysafe Wood FX Acoustic PUR combines contemporary design, sustainable slip resistance and a high acoustic performance that exceeds Building Regulations Part E requirements, in one.

MUNCHKINLAND | AUSTRALIA



LAMBETH ACADEMY | UK





KALISZ SCHOOL | POLAND



ALLERTON SCHOOL | UK



ST JOHNS PRIMARY SCHOOL | UK

CLASSROOMS

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.

Underfoot safety is also paramount in design material workshops. Leading Polysafe ranges now feature enhanced maintenance properties putting them in a class of their own in terms of cleanability and appearance retention.

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.



OTHER 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 Acoustic 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 Acoustic ranges can provide an alternative to traditional acoustic products.

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.

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 and/or excessive reverberation in rooms.

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

Designed to provide an alternative solution to impact sound reduction requirements, Polyflor offer three main acoustic flooring solutions, along with a foam-backing sheet that when used in combination with standard collections broadens the choice of colours and styles available if an acoustic floorcovering is required.





KINGS SCHOOL CANTERBURY | UK

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, gymnasia 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).

All Polysafe ranges contain antimicrobial agents. This is especially important given that safety flooring is often installed in wet areas that are both warm and trafficked by bare feet.

An effective cleaning regime is however the most important defence against infection and the floor inhibiting infection alone, should not take the place of regular maintenance.

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.

ARDROSSAN ACADEMY | UK



BURY GRAMMAR SCHOOL | UK





Headmaster Graham Gun commented: "Providing an attractive and safe environment for our pupils is extremely important to us. The toilet areas present an increased risk of spillages and Polysafe Astral PUR provides an effective solution and on top of that, it is much easier to clean which reduces maintenance costs and keeps the floor looking pristine."





THE HOME OF LOW MAINTENANCE

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 maintenance information and technical support will help cleaning staff achieve a long-lasting hygienic and attractive floor.

PROTECTION AGAINST INFECTION

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 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.

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.



HOMOGENEOUS PU FAMILY

- 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.



HOMOGENEOUS PUR FAMILY

- Maintenance enhancement available on leading Polyflor homogeneous ranges - **Prestige PUR, Mystique PUR, Classic Mystique PUR** and **2000 PUR**.
- Polyflor's homogeneous 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 vinyl flooring.



POLYSAFE PUR FAMILY

- Maintenance enhancement available on decorative **Polysafe Mosaic PUR, Vogue Ultra PUR, Wood FX PUR** and **Wood FX Acoustic 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.



POLYSAFE SUPRATEC PUR FAMILY

- 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.



EXPRESSIONS DESIGN SERVICE

There's virtually no limit to the shape, patterns or pictures you can create with the help of the Expressions 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.

"As you enter the building you can't help but notice the wonderfully graphic floor design," commented Julian Pennells, director of The Flooring Specialists Ltd, the commercial flooring contracting business that specified and installed all of the 4500m² of flooring products for the first phase of Tonbridge Grammar School.

"It's certainly a feature piece and along with the maintenance benefits offered by the product, the flooring ticked all the boxes for a busy school entrance area."



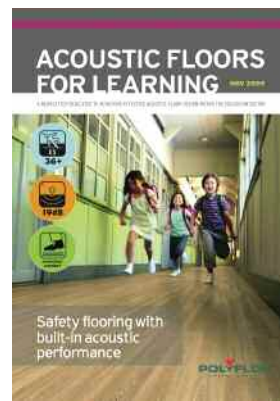
COVERING THE WORLD

A SELECTION OF WORLD PROJECTS

Colegio Ingles Saint George
 Universidade Anhembí
 Foreign Language School Brehm Pazardzik
 University of PEI
 Universidad de los Lagos Osorno
 School Central Parlimni
 AUC - American University campus, Cairo
 Vakes
 Genesis School, Delhi
 Università campus biomedico, Roma
 ISM business school, Vilnius
 Dhofar University Salalah
 Universidad Peruana de Ciencias Aplicadas
 - Pavellon H, Santiago de Surco
 WNS Gdansk University
 Resende School
 St Petersburg, State University
 Afaq schools
 Escuela Infantil La Teneria Pinto - Madrid
 Colegio Antonio Machado
 Colegio Jorge Guillen
 Mev Istanbul and Izmir Schools

Argentina	XL PU
Brazil	XL PU
Bulgaria	2000 PUR
Canada	Classic Mystique PUR
Chile	XL PU
Cyprus	XL PU, Sport 67
Egypt	Standard XL, XL PU, Mystique PUR, SD
Finland	XL PU, Prestige PUR
India	Mystique PUR, Sport 67
Italy	XL PU
Lithuania	Mystique PUR
Oman	XL PU
Peru	XL PU
Poland	Classic Mystique PUR
Portugal	XL PU
Russia	2000 PUR, SD
Saudi Arabia	XL PU
Spain	XL PU
Spain	XL PU
Spain	XL PU
Turkey	Prestige PUR

Series of Polyflor Education newsletters, available in PDF format. Contact education@polyflor.com for more information.



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