



# Education

Experts in Education Flooring

## The Spectrum of Education

The education sector encompasses a broad spectrum of learning environments to accommodate pupils of all ages as they progress through the education system.

Most systems comprise of five key stages - early years, primary, secondary, further and higher education where the size and scale of premises will vary dependent upon pupil needs and requirements.

Based on best practice guidance, all learning environments share essential minimum standards as fit-for-purpose school buildings and facilities are required to ensure pupil and staff safety, comfort and wellbeing and to enable the provision of a broad and balanced curriculum.

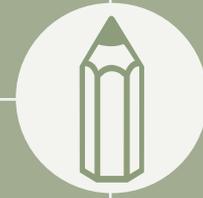
## Helping the Learning Process

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.

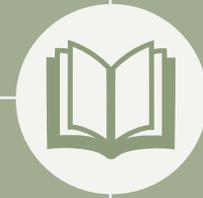
Safe and pleasing surroundings can inspire children. Design and layout, along with facilities and resources all play a vital role in the creation of a dynamic space conducive to learning where all stakeholders feel a deep sense of pride and ownership.

Integral to a flexible design scheme, the choice of floorcoverings will have a major impact on the overall 'feel' of an educational building. Floors that are bright and colourful, classic or contemporary, can add character to a lively modern building as well as meeting the functional performance standards of many different spaces.

*Early Years & Primary*



*Secondary*



*Further & Higher Education*



## BEST PRACTICE GUIDANCE TO FLOORING SELECTION

School floors have to be hardwearing and tough. The required performance of flooring throughout any educational environment can differ by area, depend upon the function of the space, the age of the pupils, expected activity levels and the intensity of footfall.

As the choice of floorcoverings available in the marketplace is extensive, the Department for Education (DfE) has produced flooring guidance documentation to assist with the UK specification process.

### PRIORITY SCHOOLS BUILDING PROGRAMME\*

Now in its second phase, the Priority Schools Building Programme (PSBP) was originally established to address the needs of those schools in the worst condition that required urgent repair and were to be delivered via capital funding or private finance funding. The programme is managed and procured by the Education Funding Agency (EFA) which in turn is sponsored by the Department for Education (DfE).

### BASELINE DESIGNS FOR SCHOOLS\*

These are a collection of standardised drawings and specifications which can be applied across a wide range of educational facilities. Suitable for both primary and secondary schools, they are detailed enough to enable environmental modelling and to establish building costs. The guidance documents are aimed at local authorities and school building teams and provide assistance with good design practice and local contractors who can develop them into detailed schemes or propose alternatives.

The designs are examples of how the requirements of the Priority School Building Programme's PFI facilities output specification can be met.

\*<https://www.gov.uk/government/publications/baseline-designs-for-schools-guidance>

**Education Funding Agency (EFA) Facilities Output Specification (FOS) for Floor Finishes** explains the requirements in all internal areas of the school building:-

- Durability
- Resilience
- Continuity
- Performance specification
- Fit-for-purpose
- Ease of cleaning
- Smoothness
- Sound absorption and transmission
- Impact resistance
- Slip resistance
- Chemical & heat resistance
- Suitability for mobility equipment users
- Colour & pattern
- Low VOC
- Use of suitable barrier matting

Polyflor, as a leading provider of flooring solutions to the education sector over many years, is able to demonstrate adherence to the FOS for Floor Finishes through the availability of fit-for-purpose products that fully comply with many UK and international statutory requirements and regulations for education flooring.

## BIM

It is thought BIM (Building Information Modelling) is a major opportunity for school builders, designers and contractors to put innovative school design at the heart of the school building process.

A selection of Polyflor's leading product ranges is now available as BIM objects. These objects can be downloaded via the Polyflor website and from the National BIM Library enabling architects and contractors adopting BIM to create a virtual building incorporating the technical specification, installation and maintenance information from Polyflor ranges.



Visit [www.polyflor.com/bim](http://www.polyflor.com/bim)  
or [www.nationalbimlibrary.com](http://www.nationalbimlibrary.com)

## nbs National BIM Library

POLYFLOR BIM OBJECTS NOW AVAILABLE TO DOWNLOAD



# Experience & Expertise

Part of James Halstead plc, Polyflor is the only UK-based manufacturer of a full range of resilient floorcoverings, successfully supplying the UK education sector over many years with hardwearing, easy-to-clean and attractive floorcoverings.



Polyflor has recently secured a **'Very Good' BES 6001** responsible sourcing certified rating. This demonstrates to customers that Polyflor sources materials and acts responsibly, enabling them to make a better informed choice when selecting suppliers. Furthermore, Polyflor can now contribute 3 points for MAT03 (Responsible Sourcing for Materials) on a BREEAM® Education Assessment (**see page 16**).

Further to our products BES 6001 certification, Polyflor is certified to environmental management system ISO 14001.



**ISO 9001** Quality Management accreditation ensures the availability of consistent, good quality products as the Standard is based on quality management principles and strong customer focus.

With manufacturing processes ISO 9001 certified, Polyflor continues to invest in its manufacturing sites at Whitefield and Stockton-on-Tees, thus expanding both production capability and warehousing capacity. This enables Polyflor to hold even more stock of products well suited to use in an educational building, ensuring availability and fast lead times for customers.

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

WHITEFIELD SITE | UK



STOCKTON-ON-TEES SITE | UK



Polyflor is the only UK-based manufacturer of a full range of resilient floorcoverings, successfully supplying the UK and international education sector over many years.



## EARLY YEARS AND PRIMARY LEARNING

# THE SPECTRUM OF LEARNING ENVIRONMENTS ACROSS ALL EDUCATIONAL ESTABLISHMENTS

It is widely recognised that to enhance pupil wellbeing, attention to the whole environment is necessary, including the choice of flooring. At Polyflor that choice is vast and readily available, whatever the scale of your project to enable the creation of a clean, modern and safe environment.

### EARLY YEARS AND PRIMARY LEARNING

Aesthetic qualities, as well as sustainable slip resistance and ease of maintenance are key requirements of most school flooring. The use of floor finishes with a low environmental impact may also be required.

For younger pupils, a dynamic space that is light and bright and animated by the use of bold colours, can enhance pupil wellbeing through the creation of a warm, friendly and focused environment.

### SAFETY FLOORING HELPS CREATE A GREENER SCHOOL

Decorative safety flooring was installed at the new home of Ysgol Dafydd Llwyd, a Welsh language primary school in Newtown, Wales.

Polysafe Vogue Ultra PUR in Woodland Grey was installed in the school's classrooms and toilet areas. High clarity timber effect Polysafe Wood fx PUR in the Classic Oak shade was fitted in the school hall and conference room.

Both products are BRE Global A+ rated and this helped contribute to the BREEAM® credits earned during the development resulting in an overall Excellent rating.

Sian Davies, Headteacher at Ysgol Dafydd Llwyd commented, "Our brand new facility has given our school community and the local area a real boost. Our vision has become a reality with this wonderful new building which has been designed to very high energy-saving standards."





## SECONDARY AND ACADEMY LEARNING

### POLYSAFE HELPS BRIGHTEN UP SCHOOL DINING EXPERIENCE

It is generally accepted that having a school meal in the middle of the day can have significant benefits both for individual children and perhaps for the broader life of the school. Improvements in behaviour and atmosphere have been noted as children and staff are able to eat together every day.

As part of a recent school refurbishment at the Middleton Technology School in Manchester, Polysafe Verona PUR has been laid throughout the front and back of house to provide a safe yet attractive floor finish that creates a welcoming and relaxing environment, suitable for pupils during lunch breaks.

Installed by Winton Flooring in Manchester and specified by main contractor H Bell & Sons (Rochdale) Ltd, Allison Crompton, Head Teacher at Middleton Technology School commented: "The motto at our school is 'in pursuit of excellence' and the installed flooring certainly fits our objective of having interior spaces that are fresh and project a positive ambience. As soon as we saw the new Verona range, we were impressed with the modern colours, particularly with the added benefit of slip resistance to give protection

to our pupils. Our catering team is delighted with the end result, having picked the Summer Coulis shade at the outset to add some vibrancy to the area."

Common rooms within schools can also create a sense of community where students can relax. Affinity2<sup>55</sup> PUR was recently used to create a simple yet stunning floor design for a refurbished common room area at Nottingham Girls' High School.

The contrasting Champagne Oak and Jet Black Ash wood effect designs were installed by local flooring contractors Slack & Co Floorcoverings Ltd and a large square was created using the Jet Black Ash shade in the centre of the floor to contrast against the common room's white furniture.

Jeremy Dunn, Director of Finance and Operations at Nottingham Girls' High School commented, "We are really impressed with the design and performance of Polyflor's Affinity2<sup>55</sup> flooring and the effect it has helped us create in our vibrant refurbished common room."





## FURTHER AND HIGHER EDUCATION LEARNING FLEXIBLE AND HIGH QUALITY DESIGN

The Further & Higher Education sector (FHE) is thriving as more students opt to remain within education in order to gain experience and expertise across a wide range of vocational and academic courses.

Learning and teaching within the FHE sector often requires a flexible approach to accommodate a combination of both classroom based and more social & informal learning spaces.

In some instances, cafeterias are no longer just considered for dining as they become break-out areas. If wide enough, corridors or streets can become activity areas and include reading spaces or zones to further encourage mobile learning.

### CREATE A DYNAMIC DESIGN

Installed by Gladston Contract Flooring Specialists, Pearlazzo PUR was used to produce a hexagonal patterned floor design in the new Solihull School Sixth Form Centre breakout and dining area, whilst Expona Control PUR tiles created a pathway through the common room area and into the adjoining corridors and staircases.

Sean Morgan, Senior Deputy Headmaster at Solihull School commented, "For our state of the art Sixth Form facilities we wanted to create a bright, modern space that will motivate our students. Polyflor flooring fitted our needs perfectly, being both practical and visually appealing."

### ADD A VIBRANT TOUCH

Expona Flow PUR was recently installed in the School of Life Sciences building at the University of Nottingham to help create a striking break out area for students to relax, work and grab a snack in between lectures.

The Estates department at the University of Nottingham commented, "We're really happy with the finished look that has been achieved in the Life Sciences vending lounge with help from Expona Flow flooring. The design has an energy and vibrancy which we hope our students will enjoy and will help motivate them during a long day of lectures."



# Well-designed learning environments

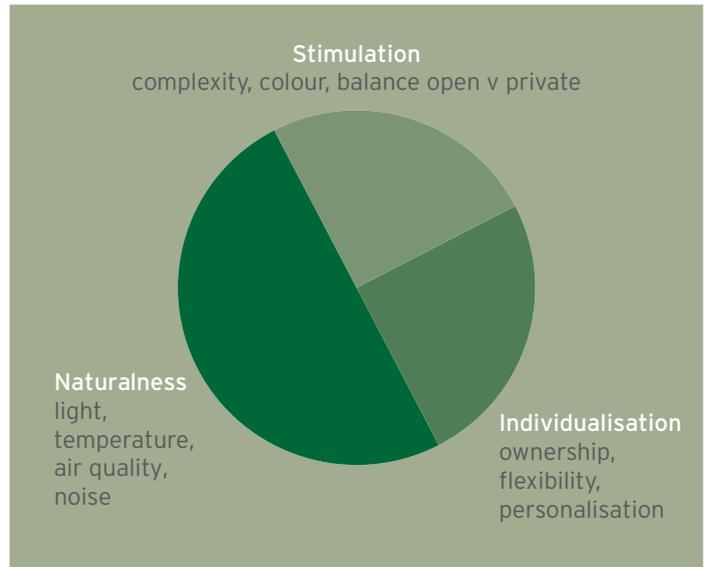
Based on the results of the HEAD Project (Holistic Evidence and Design), funded by the Engineering and Physical Sciences Research Council, clear evidence has been found that well-designed primary schools boost children's academic performance in reading, writing and maths.

According to the study, it is considered that differences in the physical characteristics of classrooms explained 16% of the variation in learning progress over a year for the 3766 English primary school pupils.

The project was based within primary schools as children at this stage in their learning spend the vast majority of their time in one room where it appears both they and the teacher relate strongly to the classroom environment.

**Extracts taken from Clever Classrooms, University of Salford, Manchester February 2015**

Three types of physical characteristic of the classrooms were assessed as part of the study:



LAMBETH ACADEMY | UK



POLYSAFE WOOD FX ACOUSTIX

## Naturalness

Throughout the school build process, access to light, bright and airy spaces as well as facilities such as glazing and heating, air quality and the management of noise are fundamental to the workings of a learning environment and the creation of pleasant and comfortable surroundings.

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 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. For further info see page 17.

Good acoustic conditions are essential to education as noise can be considered detrimental and a hindrance to learning practices. To minimise noise transfer in busy corridors, Polyflor acoustic sheet vinyl provides a high impact sound reduction of 19dB. Alternatively, Polyflor Acoustifoam in conjunction with 2mm sheet vinyl will achieve an impact sound reduction level of 18dB.

**“Our state-of-the-art premises, designed by award winning architects demand the specification of the best possible products,”** says Lambeth Academy site manager Geoff Gilbert. **“As well as being extremely attractive, Polysafe Wood fx Acoustix minimises noise transfer in our busy corridors and also ensures enhanced under foot safety for students, staff and visitors. Cleanability and the facility to maintain regularly were other deciding factors. All in all, the ideal choice.”**

# Stimulation

The creation of a stimulating and fun environment can evidently be achieved through the effective use of design and colour. It is suggested that the visual diversity of the floor layout and ceiling should be enough to stimulate the pupils' attention, but present a degree of order and calm.

Meantime, colour can play a complementary stimulating role as the use of relatively bright colours on the floor, blinds, desk, chairs adds extra highlights and flashes of colour within a scheme.

Polyflor possesses a broad palette of contemporary colours, as well as stone, marble, textured 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 using both colour and textures within a design scheme.

**“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, that specified and installed all of the 4500m<sup>2</sup> of flooring products for the first phase of the Tonbridge Grammar School project.



XL PU, MYSTIQUE PUR



2000 PUR

# Individualisation

Involving stakeholders in the design process will encourage ownership as pupils feel a sense of pride and achievement in their involvement and this can lead to positive learning outcomes.

**“The floor is beautifully crafted, a constant reminder of a key focus for our school. It is also a wonderful tribute to the talent of our pupils and Polyflor and an excellent example of team work - we are all really proud of the outcome.”**

explains Claire Hollister, Headteacher, Parklands High School.

# Products in combination

Design, colour and the use of patterns can transform any educational facility. Also flooring with different performance characteristics can work in combination to suit an array of different interior schemes.

## HIGH DESIGN MEETS FUNCTIONALITY

The latest innovation in luxury vinyl tiles, Affinity2<sup>55</sup> has been developed to work alongside 2mm vinyl sheet flooring within heavy commercial interiors, including the education sector. This creates a flooring solution that bridges different zones within a building from entrances to exits without compromising on style and durability.

## DUAL PURPOSE AREAS

For larger dual purpose rooms where different flooring types are required for different purposes, for instance in a dining area, a standard 2mm safety vinyl sheet floor can be installed around the food serving area where there is an increased risk of spillages, which blends harmoniously with Affinity2<sup>55</sup> as the high design floor leads diners towards the seating area.

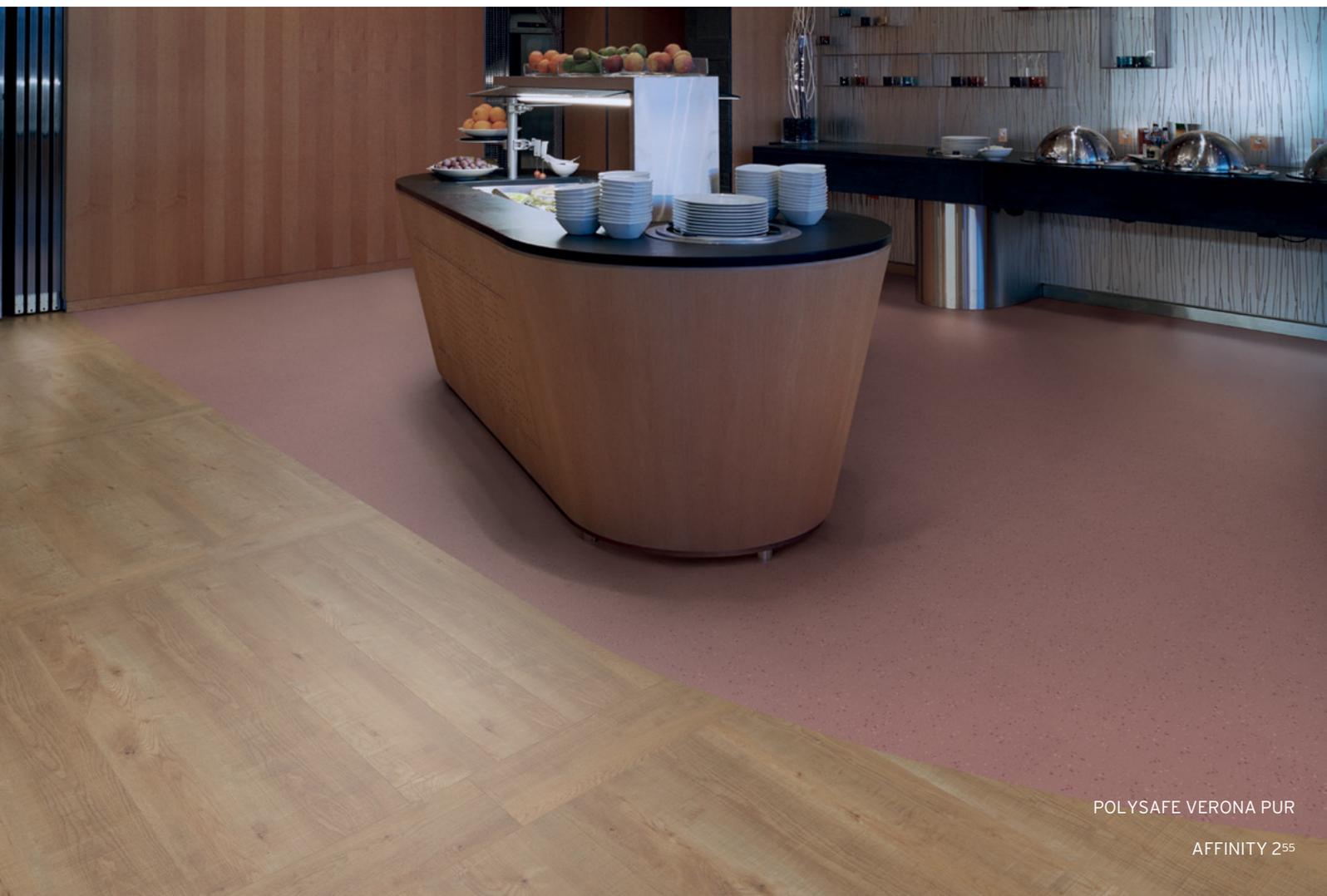
## FLOWING PATHWAYS

Creating smooth and clear pathways through a school building can be aided by the use of an unbroken flooring solution, as Affinity2<sup>55</sup> can be laid in areas that meet other 2mm flooring types without the need for levelling door trims.



PEARLAZZO PUR

AFFINITY 2<sup>55</sup>



POLYSAFE VERONA PUR

AFFINITY 2<sup>55</sup>



"We're so happy with the results of the refurbishment and Polyflor's Affinity2<sup>55</sup> flooring has helped us create a contemporary restaurant interior. It's the perfect setting to showcase the talents of our college's young chefs to the public."

Tracy Ashcroft,  
Assistant Principal at Gateshead College

AFFINITY 255

# Environmental Performance



Polyflor has had ISO 14001 Environmental Management certification since 2000.

All facilities, practices and objectives for improvement and development are regularly monitored by external auditors as Polyflor constantly looks for ways to further minimise the environmental impact of its operations and products.

Polyflor minimises the use and waste of resources, through various energy saving initiatives and by using recycled and collected rainwater - with just 4% of the water use coming from the mains supply. Production waste is minimised from the outset and recycled, with production waste vinyl recycled into new vinyl flooring.

When it comes to environmental performance, Polyflor's products are assessed through numerous schemes including BRE Global, BES 6001, EN 15804 EPD and GreenTag approval. Also the use of Polyflor products can contribute credits on BREEAM® and LEED® Education project assessments.

Polyflor was the first flooring manufacturer to obtain the BES 6001 standard for Responsible Sourcing, achieving a Very Good rating for most of its products. BES 6001 certification helps the customer make better informed decisions when selecting suppliers and benefits a BREEAM® assessment.

## EN 15804 EPD

Polyflor has individual and generic 3rd party Environmental Product Declarations which support BREEAM® and LEED® assessments, providing 1 bonus uplift point for MAT 01 on a BREEAM® assessment and 1 or 0.5 points on a LEED® assessment. Globally recognised, EPDs offer transparent and consistent environmental data on a product's life cycle.

## BREEAM® EDUCATION



BREEAM® Education is the preferred environmental assessment method for Education buildings. The requirement is that all new builds achieve

an excellent rating and all refurbishments achieve a very good rating under BREEAM® Education.

## BRE INDIVIDUALLY ASSESSED RATINGS

Polyflor's safety, homogeneous, heterogeneous and LVT ranges have been individually assessed by BRE Global to measure their environmental impact. The ratings are A+ to E, with A+ being the best rating, having achieved the lowest ecopoints. A better rating helps to maximise a building's BREEAM® score, which is achievable through our 31 A+ ratings. Visit [www.greenbooklive.com](http://www.greenbooklive.com)

## BRE GENERIC RATINGS

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. Within the Education sector, all Polyflor product families achieve a generic BRE Global A+ rating. Visit [www.bre.co.uk/greenguide](http://www.bre.co.uk/greenguide)

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.

## MAXIMISE BREEAM® CREDITS

Polyflor products can contribute to BREEAM® Education credits without compromising on performance, choice or budget. Credits are awarded according to performance in 10 different categories for measuring sustainability. Polyflor products can contribute to the award of credits within Materials, Waste and Health & Wellbeing.

## MATERIALS

The Materials section makes up 12.5% of the overall scoring, offering 12 credits in total.

### MAT 01

Life Cycle Impact.

**3 points:** using BRE A+ rated product.

**1 point:** bonus 'uplift' point for specific BRE LCA/EPD.

### MAT 03

Responsible Sourcing for Materials.

**3 points:** BES 6001 'very good'.

**1 point:** ISO 14001 EMS certified.

Polyflor products can contribute to the maximum available material points in the MAT 01 and MAT 03 section.

## WASTE

The Waste section makes up 7.5% of the overall scoring, offering 7 credits in total.

### WST 01

Construction Waste Management.

**1 credit:** diversion of resources from landfill.

### Exemplary level credit:

85% by volume and 95% by weight recycled.

The use of Polyflor materials and the Recofloor Scheme can potentially contribute towards 1 credit for diversion of resources from landfill and 1 exemplary level credit.

## HEALTH & WELLBEING

The Health & Wellbeing section makes up 15% of the overall scoring, offering 10 credits in total.

### HEA 02

Indoor Air Quality.

**1 credit:** minimising sources of VOCs and formaldehyde.

The use of Polyflor materials can contribute towards 1 Health & Wellbeing credit.

## LEED® sustainable building certification programme



Leadership in Energy & Environmental Design (LEED®) rewards best-in-class building strategies and practices.

Polyflor floorcoverings have the potential to contribute to LEED® credits both for Materials & Resources and Indoor Environmental Quality.

## GLOBAL GREENTAG<sup>Cert</sup>™



The Global GreenTag<sup>Cert</sup>™ scheme is a third party ecolabel program that rates sustainable products for the built environment. Polyflor's many products are certified

under the scheme in Australia and New Zealand, with Polyflor homogeneous PUR ranges typically in the top 50% of resilient finishes based on their GreenTag Ecopoints.

## 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 of students through stringent management practices.

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

Polyflor ranges have undergone many independent and rigorous VOC tests and have approval certification for AgBB, Swedish B.P.D (FLEC test), Finland M1 test, GBCA Compliant (GreenTag approval), Afsset A+ and FloorScore®.

The most recent test method by Eurofins is 'Indoor Air Comfort'. This test method is the most comprehensive and stringent within the industry and Polyflor products tested to date have achieved Indoor Air Comfort Gold.

For further detailed information see Polyflor's latest Sustainability Report.

## RECOFLOOR

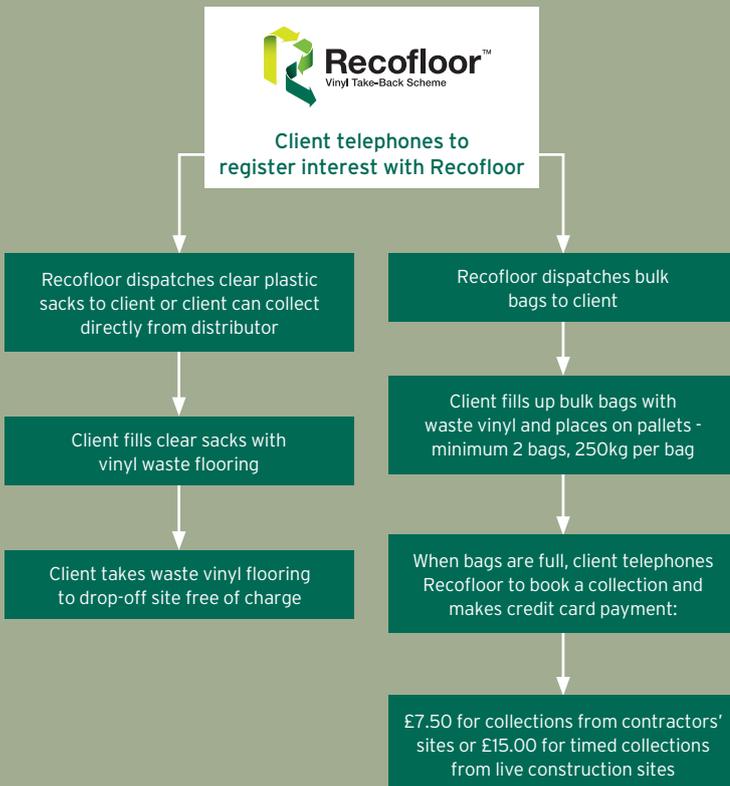
### vinyl take-back scheme for recycling

As a founder member of Recofloor, Polyflor invests in the scheme operationally and through marketing support to recruit more members, both contractors and distributors.

Since 2009 Recofloor has collected 3,208 tonnes of waste vinyl flooring that is equivalent to 22,752 (average UK) classrooms.

See below diagram on how Recofloor works.

Contact Polyflor for more details.





## Choice of materials based on Green Guide Credentials

### FLAGSHIP RANGES FOR LLWYNCRWN PRIMARY SCHOOL

Forest fx PUR and Polysafe Verona PUR were specified and installed in a £4million refurbishment project at Llwynocrwn Primary School in Beddau, Wales. A total of 600m<sup>2</sup> was installed in the school hall, meeting rooms, classrooms, cloakrooms, the kitchen and toilets by flooring contractors CS Flooring Solutions.

Ross Williams, Project Manager at Morgan Sindall commented, "With the installation of Polyflor's vinyl flooring, we've successfully created a sustainable, practical, safe and modern learning environment for the pupils and staff at Llwynocrwn Primary School to enjoy. We're delighted with the finished look of the flooring in these areas and are confident that it will continue to perform for years to come."

Polyflor's vinyl flooring used on this project contains recycled material and is 100% recyclable via the Recofloor vinyl take back scheme. The sustainability credentials of Polyflor's flooring are supported with the award of BES 6001 for responsible sourcing and certificated BRE Global A+ ratings for the Forest fx and Polysafe Verona ranges in education settings amongst others, which helped contribute to the BREEAM® credits earned during the Llwynocrwn Primary School development. This resulted in an overall Excellent rating for the project.



- 1 Uplifted flooring or off cuts
- 2 Placed in bags
- 3 Collected for recycling
- 4a Recycled into new flooring
- 4b Recycled into useful products

#### Yes Please

Post installation, clean vinyl off cuts (smooth or safety vinyl)

Old stock vinyl roll-ends & samples (smooth or safety vinyl)

Smooth uplifted flooring - depending on condition and quality

Please ensure all material for collection is as clean as possible

#### No Thanks

Non vinyl flooring including linoleum, laminate, carpet, or flooring with jute/fabric backing

Cushion vinyl flooring

General waste including asbestos, rubble, wood, blades, nails, screws etc

Liquids

*"At the construction site 8% of the material is assumed to be wasted"*

**BRE Global**

# The Versatility of Vinyl

For many decades Polyflor has been recognised as a leading global manufacturer of high quality, high performance floorcoverings. As one of our core markets, the needs and requirements of the education sector are at the heart of our vinyl product portfolio through the availability of multi-functional products.

Education premises are varied and often complex sites and floor finishes are required to meet both the functional and aesthetic standards of many different spaces.

Polyflor vinyl flooring is available in an extensive range of looks, textures and performance properties. Due to its hardwearing, water-resistant nature and ease of cleaning, vinyl is often the product of choice for many of today's modern educational facilities, with options to suit budgets for both new build and refurbishment schemes.

## Specify with Confidence

All Polyflor ranges meet relevant independent flooring standards for general performance, slip resistance, acoustics and durability, demonstrating a high resistance to abrasive wear throughout their life, with many ranges attaining the highest 'very heavy commercial' Class 34 rating.

With regards cleaning and maintenance, 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.

Vinyl, as a cost effective multi-faceted plastic, is a necessity in everyday life due to its flexibility, durability, performance and functionality. As the only UK-based manufacturer of a full range of commercial vinyl floorings, Polyflor continues to be able to offer 'best value' flooring solutions where high quality and high performance are a given.

See the following table for suggested product suitability in various use areas around an educational building.



# Specify with Confidence

Room/Usage	Homogeneous						Safety (Polysafe)							
	Pearlazzo PUR	Prestige PUR	Classic Mystique PUR	Mystique PUR	2000 PUR	XL PU	Apex	Arena PUR	Astral PUR	Ecomax	Hydro	Hydro Evolve	Modena PUR	Mosaic PUR
Break-out areas	●	●	●	●	●	●								
Changing rooms	●	●	●	●	●	●		●	●				●	●
Circulation	●	●	●	●	●	●		●	●				●	●
Classrooms	●	●	●	●	●	●		●	●				●	●
Computer comms rooms														
Corridors	●	●	●	●	●	●		●	●				●	●
Dining hall	●	●	●	●	●	●		●	●				●	●
Entrances	●	●	●	●	●	●		●	●				●	●
Food service areas							●	●	●	●			●	●
Hospitality	●							●					●	
ICT														
Kitchens							●	●	●				●	●
Laboratory (dry areas)	●	●	●	●	●									
Laboratory (wet areas)								●	●				●	●
Library	●	●	●	●	●	●								
Multi purpose hall	●	●	●	●	●									
Non multi purpose sport hall														
Offices	●	●	●	●	●	●		●					●	●
Play areas														
Reception	●	●	●	●	●	●		●	●				●	●
Showers											●	●		
Stairs	●	●	●	●	●	●		●	●				●	●
Stairwells	●	●	●	●	●	●		●	●				●	●
Stores						●								●
Toilets								●	●	●			●	●

The recommendations give only an indicative guide as to product suitability in specific areas based on Polyflor's knowledge and experience. Other Polyflor ranges will also be suitable for the areas indicated. **Contact Polyflor Customer Technical Services for further guidance.**

Standard PUR	Ultima	Verona PUR	Vogue Ultra PUR	Wood fx PUR	Affinity 2 <sup>55</sup>	Bevel Line PUR	Expona Commercial PUR	Expona Control PUR	Expona Design PUR	Bloc PUR	Expona Flow PUR	Forest fx PUR	Silentflor PUR	Acoustix Forest fx PUR	Acoustix Gallery fx PUR	Wood fx Acoustix PUR	SD	EC	Sport 67
					Luxury Vinyl Tiles					Heterogeneous				Acoustix			ESD		Sport
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## SETTING THE STANDARD IN SAFETY FLOORING

At Polyflor we believe that the floor must not only look good, but also perform well, so that it is impermeable, hygienic and safe. Safety flooring is typically used in those areas where there is a risk of spillage or wetness that could make the floor slippery and unsafe such as toilets, changing rooms, science labs and serveries. Ongoing product development and cleaning technology has ensured that safety flooring is now becoming more decorative and suited to high visibility and front of house areas, including circulation areas, corridors and dining areas.



All Polysafe ranges offer a sustainable slip resistance assurance and adhere to HSE Guidelines, achieving 36+ in the Pendulum wet test (Four S Rubber/Slider 96) with a surface roughness of 20 microns and above.

## 4 steps to safety

1

36+ RRL  
Pendulum Wet Test

2

Surface Roughness  
 $Rz \geq 20\mu m$

3

Proven Cleanability

4

Sustainable Slip  
Resistance

HSE Compliant

BMET COLLEGE | BIRMINGHAM, UK



POLYSAFE ARENA PUR, DARK CONCRETE

Suitable for busy commercial environments where there is a high level of footfall, Polysafe Arena PUR design-led safety flooring (used above) incorporates clear aluminium oxide safety particles through the performance layer of the vinyl which are virtually invisible to the naked eye, ensuring an attractive yet safe floor finish.

# Polysafe PUR

## POLYSAFE PUR CLEANING TECHNOLOGY

Polyflor has set the true benchmark with a groundbreaking development in the cleanability of safety flooring.

With the same tried and trusted cleaning technology as used across Polyflor PUR homogeneous ranges, Polysafe PUR is a super-durable reinforcement, incorporated into many Polysafe ranges to facilitate even easier cleaning, whilst providing optimum appearance and colour retention as well as improved soil release.

Using a micro mop maintenance regime, chemical usage, energy intensive cleaning and water consumption are significantly reduced and life cycle maintenance costs of up to **60%** are achievable over a 15 year period when compared to untreated safety flooring.

See [www.polyflor.com/safety](http://www.polyflor.com/safety)

## DUAL SLIP PERFORMANCE IN THE DRY AND IN THE WET



In environments where you might expect a wet and a dry floor, such as in a bathroom or shower, certain Polysafe ranges are ideal, subject to an end user's risk assessment.

Polysafe Hydro, Hydro Evolve and Ultima products can be used in barefoot, continually wet areas and shod conditions. As fully HSE compliant, with slip resistance assured for the guaranteed life of the product, these floor finishes are recommended when a slip resistant sheet system is required.



“We specifically wanted an acoustic floorcovering to help create a more peaceful learning environment for our pupils, where excessive noise from foot traffic around classrooms would be less of a distraction.”

Jed Queally,  
Business Manager at Northampton Academy



ACOUSTIX FOREST FX PUR

# Acoustic Floor Design

## COLLECTIONS TARGET NUISANCE NOISE

Building Bulletin 93, published in 2003 by the Department for Education, sets out minimum performance standards for the acoustics of school buildings, as it is generally considered that poor acoustics within an educational environment can have a detrimental effect on educational outcomes for both pupils and staff. Intended for designers and Building Control Bodies, BB93 gives the performance targets for compliance with Part E of The Building Regulations.

The acoustic characteristics of schools are controlled by Part E of the Building Regulations, School Premises Regulations and the Independent School Standards, which apply to new and existing schools and where the requirements with respect to resistance to sound are covered.

School premises are also subject to the Equality Act. The Equality Act 2010 places a duty on all schools and local authorities to prepare and implement accessibility strategies for disabled pupils and staff.

Recommended areas for acoustic floorcovering in educational buildings -

- Corridors
- Classrooms
- Reception / meeting areas
- Rooms above noise-sensitive areas

Noise reduction benefits -

- Reduces disruption from neighbouring classrooms
- Allow louder teaching areas eg music rooms, to neighbouring quiet study areas
- Aids children's education by reducing distracting background noise
- Provides better learning environment for children with hearing difficulties

The Polyflor Acoustix ranges have been designed and developed to assist in improving acoustic properties within educational environments, as well as providing the additional benefits of aesthetics, performance, hygiene and durability and are well placed to meet the needs of the modern education sector.



# Cleaning Regimes

## LOW MAINTENANCE OPTIONS

Poor maintenance damages aesthetics, impairs performance, shortens floor life and creates hygiene problems in critical locations. Moreover, safe and clean surroundings can promote a feeling of confidence and wellbeing amongst pupils and staff.

As the likelihood of spillages is ever present in a busy education environment, regular and well planned maintenance keeps the floorcovering in pristine condition and can enhance the original appearance. Maintenance can also reduce wear and ultimately improve the life expectancy of the floorcovering.

A tailored maintenance programme is simple to apply, with the effort and cost, concentrated where each location demands. This produces definite savings and considerable return on a floorcovering investment as most Polyflor ranges benefit from enhanced formulations in relation to maintenance.

The Polyflor PU (polyurethane surface treatment) and PUR (polyurethane reinforcement) ranges ensure that use of polish, water, strippers and chemical cleaners are significantly reduced and thus contribute to significant maintenance cost savings for the life of the floor.

## RESISTANCE TO CHEMICALS

Polyflor vinyl floorcoverings are suitable for use in all areas where most chemicals are used and there is only a risk of accidental spillage. A comprehensive guide to chemical effects and staining by product shade is available on request.

All Polyflor products are designed with low maintenance features.

PUR reinforcement is cross-linked and UV cured for superior cleaning benefits, enhanced protection and optimum appearance retention.

Environmentally preferential using less energy, polish, water and cleaning chemicals.

Polyflor homogeneous PUR is polish free (wax free) for life and Polysafe PUR should never be polished.

Polysafe PUR achieves superior cleaning benefits and facilitates easier soil release, whilst enabling optimum appearance retention.

Economically sustainable, with 48% to 60% maintenance cost savings over a 20+ year life when compared to untreated vinyl.



POLYSAFE MOSAIC PUR

# Good Practice

## MAINTAINING A CLEAN ENVIRONMENT

It is important to regularly assess the various locations within an education environment and to be flexible about the maintenance employed in them. However one requirement they all share is the need for the complete floor to be visibly clean, including all edges and corners. To assist with the maintenance of a clean and safe education environment, detailed floorcare guidance is available for all products, along with a list of cleaning products approved for use with Polyflor floorcoverings.

It's important to remember that cleaning and disinfecting are two entirely separate processes and should be treated as such within the school's standard maintenance procedures. All cleaning products should be used in accordance with the manufacturer's instructions. Chlorine-based products can be used on Polyflor vinyl floorcoverings

provided the area is rinsed after use and diluted as per the manufacturer's instructions.

Products containing pine gel and phenolic disinfectants should not be used on Polyflor vinyl flooring as they may damage the floorcoverings. The Polyflor homogeneous PUR and Polysafe PUR ranges are suitable for steam cleaning on a periodic basis.

### HAND HYGIENE

Polyflor homogeneous PUR, heterogeneous PUR and Polysafe PUR 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 email [tech@polyflor.com](mailto:tech@polyflor.com).

# Design Service

## THE POLYFLOR DESIGN SERVICE COMPLETING THE PICTURE

There's virtually no limit to the shape, pattern or picture 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](http://www.polyflor.com/design)

Susan Aldred, Head Teacher at Audley Junior School commented:

"We are very pleased with the finished look and performance of the Polyflor flooring. The circular design looks really stylish and has certainly been a talking point for children and staff alike."

Fran Bury, Director at AFB Flooring Solutions Ltd, adds:

"We are proud to have been involved in this project and the finished installation looks worth the detailed effort that was put in on-site. We would particularly like to thank Polyflor's Design Service for their invaluable help in allowing us to turn this design concept into reality."



# A world of colour at your feet

Recognising the importance of colour in the design process, Pearlazzo PUR is a collection of shades ranging from pale neutrals through to more intense shades. The harmonious decoration and extensive colour choice enables you to bring a special brand of style and elegance to any educational environment.

The Kongsgårdmoen Skole, in Kongsberg, Norway chose to install a number of Pearlazzo PUR shades around the primary school from bright and bold yellows, reds and oranges in classrooms, to more subtle beiges and blues in the foyer and on the stairs. In key areas, this was used in combination with Acoustifoam, which is a closed cell pvc foam backing sheet designed to be installed beneath standard Polyflor vinyl, to achieve an impact sound reduction level of 18dB.

Ideally suited to a busy school environment, Pearlazzo PUR combines great style with the low maintenance and toughness which specifiers have come to expect from the Polyflor homogeneous PUR family of products.





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