



# Healthcare

Experts in Healthcare Flooring

# Healthcare

## The Spectrum of Care

The healthcare sector encompasses a broad spectrum of care establishments from state-of-the-art hospitals, to local health centres & general practice surgeries to specialist care homes. Although varying in size and scale and required levels of patient care, all care establishments share essential minimum standards of safety, quality and cleanliness, based on best practice guidance.

## Helping the Healing Process

Healthcare design is about the creation of safe and clean surroundings and an uplifting environment can inspire confidence and a sense of wellbeing amongst patients, staff and visitors alike. When part of the complete design concept, the choice of floorcovering can have a major impact on the 'feel' of a hospital, health centre or specialist care home making a real difference to the patient experience through the creation of a homely, relaxed and welcoming environment.

Hospitals



Health Centres



General Practice Surgeries

Specialist Care Homes



## BEST PRACTICE GUIDANCE TO FLOORING SELECTION

Healthcare establishments can appear complex, busy and challenging environments for patients, staff and visitors alike. Different operational areas have different flooring performance and quality requirements, and this will further depend upon the function of that area and the expected levels of traffic.

As the choice of floorcoverings available in the marketplace is extensive, the Department of Health (DH) has produced a flooring guidance document to assist with the UK specification process. **Health Building Note (HBN) 01-10 Part A Flooring**, supersedes previous advice contained within HTM61 in England and Wales and in Scotland, the Scottish Health Technical Memorandum 61 (SHTM61) remains.

The HBN outlines the policy and performance requirements for flooring used in healthcare facilities. This performance 'check-list' will be familiar to architects, healthcare planners and design teams working on new developments or the adaptation and extension of existing facilities, as the requirements are essentially a set of relevant standards of quality and safety that flooring must comply with.

The selection process for floor finishes as described in the HBN is dependent on an assessment of the level of clinical requirement of the room space. Room spaces are further categorised by their function - either dry, wet or specialist and key considerations such as infection control, sustainability, ease of cleaning, slip resistance and acoustics are taken into account. **(see page 20-21)**

The specification of appropriate products remains the responsibility of the specifier as the HBN guidance document allows for choice in the selection of flooring material and finish, provided it satisfies the required performance criteria by category of room space.

Polyflor, as a leading provider of flooring solutions to the healthcare sector over many years, is able to demonstrate adherence to the HBN guidance document through the availability of fit-for-purpose flooring products that fully comply with many UK and International statutory requirements and regulations for healthcare flooring.

## 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 and international healthcare sector over many years.



Polyflor has also recently secured a 'Very Good' **BES 6001** responsible sourcing certified rating. This demonstrates to customers that Polyflor sources products responsibly and will allow them to make a better informed choice when selecting suppliers. Furthermore, Polyflor can now

help contribute 3 points for MAT03 (Responsible Sourcing for Materials) on a BREEAM Healthcare Assessment. **(see page 16)**



**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 healthcare use, 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

## Find us on National BIM Library

### SPECIFY PRODUCTS USING BIM

Building Information Modelling (BIM) has been increasing in importance over the past few years due to Government legislation and targets for waste reduction and maintenance efficiencies, resulting in several of the UK's leading construction and architectural firms adopting BIM when completing healthcare projects.

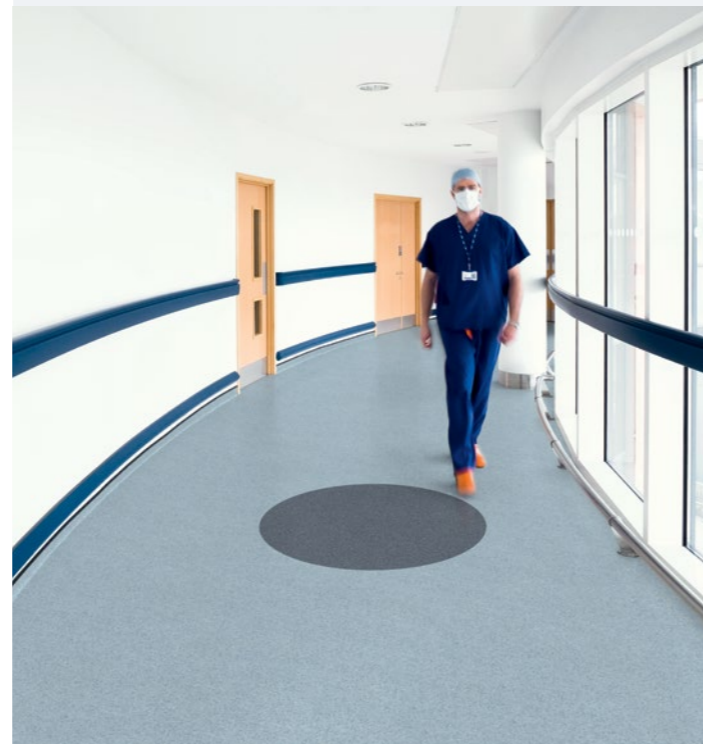
A selection of Polyflor's leading product ranges is now available as BIM objects. These objects can be downloaded via the Polyflor website and from the National BIM Library enabling architects and contractors adopting BIM to create virtual buildings incorporating technical specification, installation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



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



## Taking pride in our Hospitals

### THE SPECTRUM OF CARE ACROSS ALL HEALTHCARE ESTABLISHMENTS

It is widely recognised that to enhance patient 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.

### POLYFLOR TAKES PRIDE AT NEW MATERNITY UNIT AT BRONGLAIS HOSPITAL

An extensive selection of Polyflor flooring products has been installed in the new Maternity Unit at Bronglais Hospital in Aberystwyth for Hywel Dda University Health Board. Over 5000m<sup>2</sup> of 2000 PUR, Pearlazzo PUR, Polysafe Hydro Evolve, Polysafe Standard PUR and Polysafe Wood FX PUR have been installed in delivery suites, support rooms and offices.





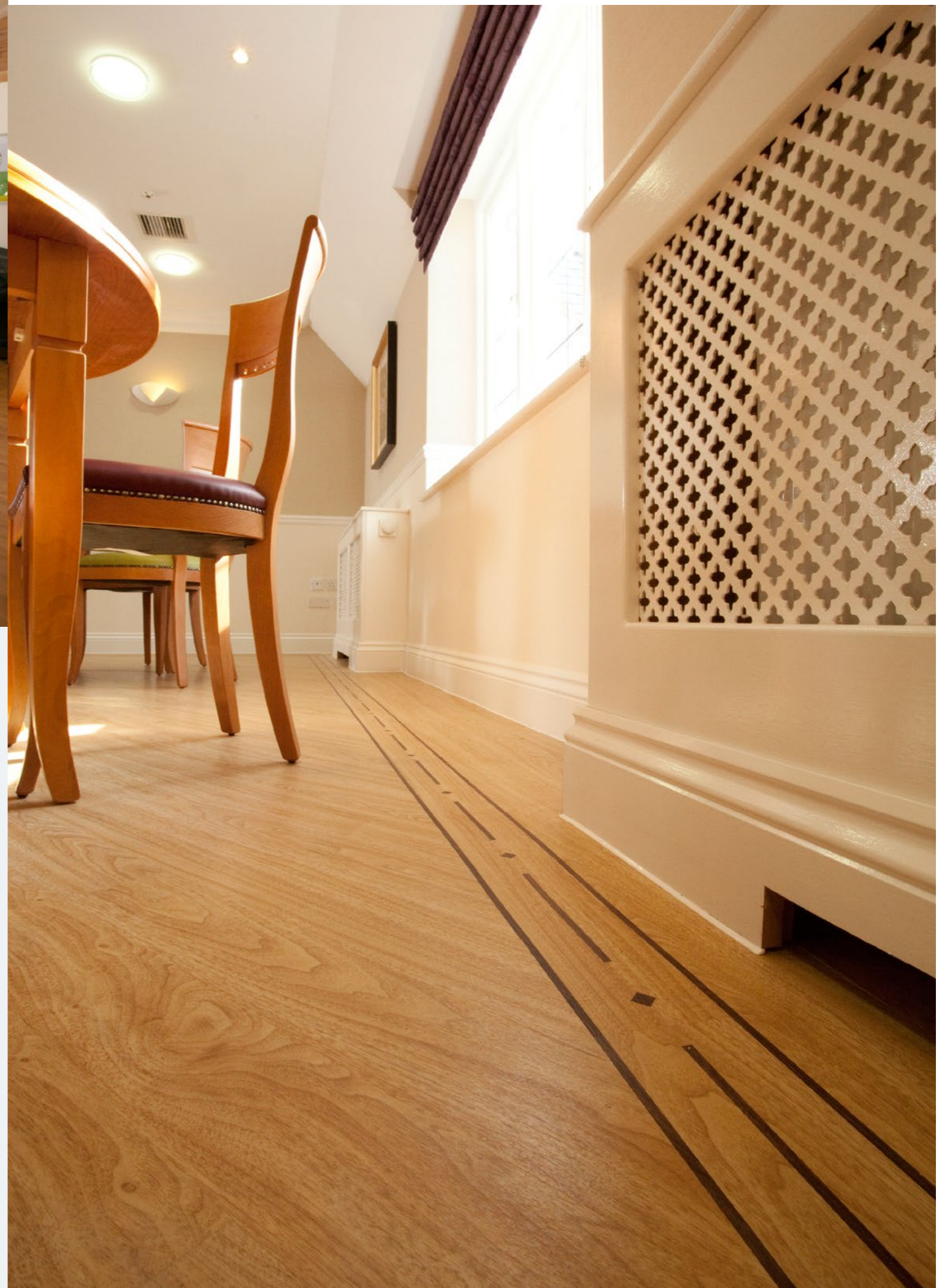
## Solutions for Modern Health Centres



### HEALTH CENTRE BOOKS APPOINTMENT WITH FOREST FX

Forest fx PUR has been chosen to refurbish Northbrook Health Centre, Solihull as part of a modernisation scheme to achieve Care Quality Commission compliance. To help improve infection prevention the flooring was installed as cap and cove flooring to ensure it was permanently sealed to the wall to prevent the ingress of dirt.

Hygiene is paramount within a healthcare setting and to prevent the ingress of dirt all joints can be welded and sealed to provide a seamless finish. The use of Polyflor Ejecta accessories, including coving, skirtings and capping strips allows the flexible vinyl to be extended up the wall to form a water-tight base, for a shower or wet room area.



## Looking after Specialist Care Homes



### FOREST FX BRINGS HOME FROM HOME FEEL TO SPECIALIST DEMENTIA WARD

Over 500m<sup>2</sup> of Forest fx PUR - the wood effect sheet vinyl flooring - features prominently in Warrington Hospital's Forget Me Not ward, opened to create a unique care environment that encourages relaxation and stimulation for patients who need expert care and are also living with dementia.



## Connect through Colour

### WITH THE ENVIRONMENT

Design, colour and the use of patterns can transform any healthcare facility contributing positively to the comfort of patients, staff and visitors through the creation of welcoming, bright and airy spaces.

When part of an overall scheme, colour can assist with way-finding and zoning and help the flow of traffic, supplies and services around a busy healthcare environment.

With a broad palette of contemporary colours, as well as wood & stone, abstract & textured flooring designs to choose from, the comprehensive Polyflor collection allows the specifier to create bespoke schemes with a distinct non-clinical feel.

When a floor design requires a motif, logo or information sign, the Polyflor Design Service can provide ideas and visuals, advice on colours and product choices and create a memorable flooring design to enhance any environment. Additional features can include complementary or contrast borders with inlaid designs and wood effect finishes for a highly realistic replication of natural materials that can transform any healthcare facility.



## Connect through Colour

### WITH THE PEOPLE

Within the specialist care sector the overall finish, colour and look of the floor requires careful consideration. Polyflor is committed to providing relevant product guidance to specifiers to create stylish and welcoming environments, including the use of wood and stone effect flooring to promote a homely, fresh feel which is less institutional and clinical than a traditional hospital environment.

Designs that promote harmony and wellbeing through the creation of a sense of calm are important to patient comfort and welfare, particularly for those suffering from dementia. Dementia is described as a set of symptoms that may include memory loss and difficulties with thinking, problem-solving or language\*. There are specific aspects of flooring design and specification which can be considered to ensure patients are comfortable and feel at ease. These include the use of flooring with a matt appearance and the use of natural colours and effects. Across the Polyflor portfolio there are many suitable options which meet the stringent design and performance requirements of this area of specialist care.

\*<http://www.alzheimers.org.uk>

The control of unwanted noise is also important in the creation of a calm environment and the use of acoustic floorcoverings is one way to reduce noise levels. Polyflor's Acoustix flooring collection, featuring authentic wood and stone designs, is specifically designed for practical healthcare spaces and all ranges exceed the current Building Regulations standard of 17dB. For areas requiring additional slip resistance, Polysafe Wood fx Acoustix brings together the key attributes of safety, aesthetics and acoustic performance achieving an impact sound reduction level of  $\geq 19$ dB.

Light Reflectance Values (LRVs) are available for Polyflor ranges and can be used to show compliance and understanding of specific building regulations. LRV is expressed on a scale of 0-100 where absolute white has a value of 100 and absolute black has a value of 0. This is clearly relevant to ensure sufficient contrast between all surfaces for the visually impaired.



Polyflor also quotes the closest perceived NCS® - Natural Colour System - references which are a widely accepted global colour standard and are used for matching colours across design schemes.

THE ROYAL OLDHAM HOSPITAL | UK



"The children designed the themes and it's lovely to see how they have come to life as the ward changes from spring, summer, autumn and winter as they move around".

*Sister Ann Sutherland,  
The Royal Oldham Hospital*

Design, colour and the use of patterns can transform any healthcare facility contributing positively to the comfort of patients, staff and visitors.

The comprehensive Polyflor collection allows the specifier to create bespoke schemes with a distinct non-clinical feel.



Non-directional Pearlazzo PUR featuring a unique multi-flake decoration and wood effect sheet vinyl Forest fx can enhance a design scheme adding character to a modern, lively building.



## Products that 'work' together

The Polyclad range of wall & ceiling claddings can be used in conjunction with the extensive range of Polyflor vinyl floorcoverings to create an impervious floor-to-wall surface that provides an excellent barrier to dirt and infection and is ideal for wet and hygiene-critical areas. For bathroom and shower areas Polysafe Hydro Evolve & Polyclad Pro PU work in combination to create a neat, clean and watertight finish.

The use of colour and decoration gives a bespoke identity to any location. Across the Polyflor portfolio, colour combinations are endless as many colours can be paired together. Alternatively, interest can be added by creating a contrast in texture, combining smooth homogeneous ranges with wood effect grained flooring. Non-directional Pearlazzo PUR featuring a unique multi-flake decoration and wood effect sheet vinyl Forest fx can enhance a design scheme adding character to a modern, lively building.





# 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.

**Working with CARBON TRUST**  
With regards operations, carbon emissions were reduced by 814 tonnes in 2013 and 1,202 tonnes in 2012 as Polyflor continues to work with the Carbon Trust's Energy Management programme. Other initiatives include minimising water usage throughout production, improvements in waste management and recycling initiatives.

At Polyflor we do not manufacture a specific range of environmental products as all flooring ranges are launched with the greatest environmental benefits built in as the research & development team continue to investigate materials used in Polyflor's products.

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

## EN 15804 EPD

Polyflor has individual and generic 3rd party Environmental Product Declarations which are beneficial on 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 HEALTHCARE

**BREEAM HEALTHCARE**  
BREEAM Healthcare is the preferred environmental assessment method for healthcare buildings. The

requirement is that all new builds achieve an excellent rating and all refurbishments achieve a very good rating under BREEAM Healthcare.

## BRE INDIVIDUALLY ASSESSED RATINGS

**A+ BRE**  
ENP 415-429-472 ENVIRONMENTAL RATING  
Polyflor's safety, homogeneous, heterogeneous and LVT ranges have been individually assessed by BRE Global to measure their environmental impact. The new rating scheme is based on A+ to E rankings, with A+ being the most desirable rating, having achieved the best ecopoints. A better rating helps to maximise a building's BREEAM score, which is achievable through our 27 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 for most vinyl varieties. Within the healthcare 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 Healthcare schemes.

## MAXIMISE BREEAM CREDITS

Polyflor products can contribute to the award of BREEAM healthcare credits without any compromise on performance, choice or budget. Credits are awarded according to performance in 10 different categories for measuring sustainability and 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
- MAT 03** Responsible Sourcing for Materials  
**3 points:** BES 6001 'very good'  
**1 point:** 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**

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

**U.S. GREEN BUILDING COUNCIL LEED USGBC**  
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.

## ECOSPECIFIER - environmentally preferable building materials

**ecospecifier**  
The Ecospecifier scheme is described as a guide to eco and health preferable products, materials and technologies for the built environment. Polyflor is registered to the scheme in Australia and New Zealand, whereby Polyflor homogeneous PUR ranges are in the top 15% of resilient finishes based on their environmental impact.

## INDOOR AIR QUALITY (IAQ)

**INDOOR AIR COMFORT eurofins GOLD CERTIFIED PRODUCT**  
Indoor air quality is, quite rightly, a key environmental consideration when selecting building products. With a complex hospital environment, special attention is paid to levels of indoor air quality in order to protect patients and staff against hospital acquired infections (HAIs). 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), Afset 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.

Furthermore, vinyl flooring is non-shedding and clean room test certification is available on most ranges for use in hygiene critical laboratories.

For further detailed information see the Polyflor Sustainability Report 2014

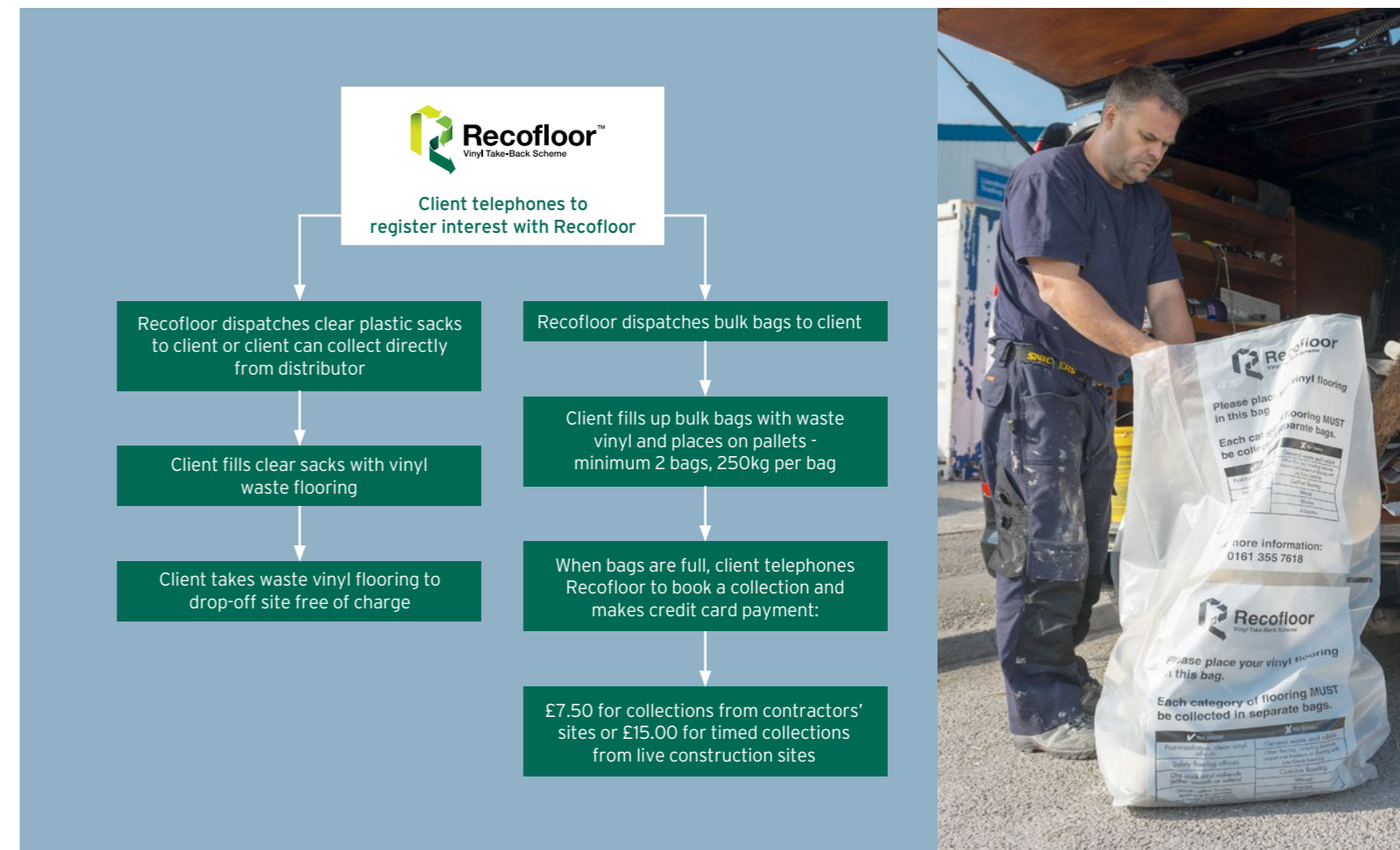
## RECOFLOOR

### vinyl take-back scheme for recycling

As a founder and funding member of Recofloor, Polyflor has helped develop the scheme both logistically and through sales & marketing activities to recruit more members, both contractors and distributors.

See below diagram to see how Recofloor works.

Contact Polyflor for more details.





NORTH STAFFORDSHIRE HOSPITAL CONSTRUCTION



In 2013, Recofloor won a Gold Green Apple in the Recycling category at the International Green Apple Award Ceremony, arguably the most prestigious environmental award to win.



### ROYAL VICTORIA INFIRMARY (RVI), NEWCASTLE

The £170m hospital extension commenced in 2005 and was completed in 2010. A target of 90% recycling for material that left site was set. Through collaboration with the Recofloor scheme, dedicated wheeled bins were introduced that were then collected and exchanged once full. In excess of 60,000m<sup>2</sup> of both standard vinyl and safety vinyl flooring was delivered to the construction site and empty vehicles returning to Polyflor's Manchester-based manufacturing site had ample capacity for back-hauling waste flooring. Following collection, it is recycled into new flooring.

Through the Recofloor scheme 19 tonnes of waste flooring was diverted from landfill, the equivalent of around 6,000m<sup>2</sup>.

### NORTH STAFFORDSHIRE HOSPITAL, NEWCASTLE-UNDER-LYME

The £400m PFI development commenced in 2010 and was completed in 2012. Through collaboration with the Recofloor scheme, a daily vinyl collection was encouraged and this had another positive spin-off as the recycling of other waste streams (cardboard, wrapping materials) was encouraged.

More than 37.5 tonnes of off-cuts were recovered from the construction site and returned to Polyflor for further processing.



#### 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

Cushion vinyl flooring

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

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

Liquids

## 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 healthcare sector are at the heart of our vinyl product portfolio through the availability of multi-functional products.

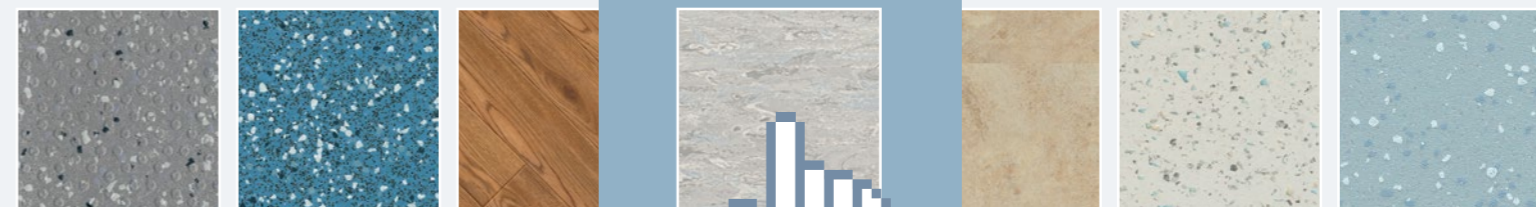
The operational requirements of a hospital environment are inherently complex and floor finishes are required to meet both the functional and aesthetic standards of many different spaces.

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 healthcare facilities. The smooth and flat surface is suitable for wheeled traffic and rolling loads.

## 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.

see 'UK Department of Health - Health Building Note Part A' table on the next page for comprehensive list of all Polyflor ranges and suitable applications.



# Specify with Confidence

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.

Category of room space	Floor Finish	Wall Finish	Pearlazzo PUR	Prestige PUR	Classic Mystique PUR	Mystique PUR	2000 PUR	XL PU	Apex	Arena PUR	Astral PUR	Corona PUR	Ecomax	Hydro	Hydro Evolve	Modena PUR	Mosaic PUR	Standard PUR	Ultima	Verona PUR	Vogue Ultra PUR	Wood fx PUR	Bevel Line PUR	Expona Commercial PUR	Expona Control PUR	Expona Design PUR	Forest fx PUR	Mineral fx PUR	Harmony fx	Acoustix Forest fx PUR	Acoustix Gallery fx PUR	Wood fx Acoustix PUR	SD	EC	Polyclad Pro PU	Polyclad Plus PU					
			Homogeneous						Safety (Polysafe)															Luxury Vinyl Tiles				Heterogeneous			Acoustix			ESD		Wall Cladding					
<b>Clinical - Dry</b> for example:																																									
Single-bed room	Sheet systems or Seamless finish systems	Emulsion or heavy duty emulsion	●	●	●	●	●		●							●	●			●		●	●	●	●	●	●	●	●	●	●										
Multi-bed room			●	●	●	●	●		●								●	●			●		●	●	●	●	●	●	●	●	●	●									
Consulting room			●	●	●	●	●			●	●						●	●	●			●	●	●	●	●	●	●	●	●	●	●	●								
Clean utility									●	●			●	●	●				●	●			●														●	●			
<b>Clinical wet</b> for example:																																									
Dirty utility	Sheet systems or Seamless finish systems or Slip-resistant sheet systems	Heavy duty emulsion/ PVC sheet								●	●	●					●	●			●	●													●	●					
Assisted bathroom															●	●					●															●	●				
Assisted shower																●	●					●															●	●			
<b>Clinical specialist</b> for example:																																									
Theatre suite	Sheet systems or Seamless finish systems	Thick film paint system (150-300 microns)	●	●	●	●	●			●						●	●			●		●												●	●						
X-ray room	Anti static sheet system	Heavy duty emulsion																																							
Post-mortem room	Slip resistant sheet systems or Slip-resistant seamless finish systems	Thick film paint system (150-300 microns)							●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
Aseptic suite	Sheet systems	Sheet vinyl	●	●	●	●	●			●						●	●			●		●														●	●				
<b>Non-clinical wet</b> for example:																																									
WC/shower room (en-suite)	Slip resistant sheet systems or Slip-resistant seamless finish systems	Humidity-resistant paint/ PVC sheet							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					●	●			
Cleaner's room															●	●						●	●														●	●			
<b>Non-clinical dry</b> for example:																																									
Offices	Sheet systems or Seamless finish systems or Textile flooring	Paint	●	●	●	●	●			●						●	●			●		●		●	●	●	●	●	●	●	●	●	●	●							
Stores									●	●								●	●			●																			
<b>Heavy traffic</b> for example:																																									
Corridors	Sheet systems or Seamless finish systems	Heavy duty emulsion or specialist floor paint	●	●	●	●	●			●	●	●				●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
Entrances			●	●	●	●	●			●	●	●					●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
Lift lobbies			●	●	●	●	●			●	●	●					●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
Stairs			●	●	●	●	●			●	●	●					●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Plantrooms												●	●	●					●				●																●	●	
<b>Specialist patient areas:</b>																																									
areas where patients are at risk of self harm	Sheet systems or Seamless finish systems	Selection is dependent on an assessment of level of Clinical requirement																																●	●	●					

Please Note: If a room from one category falls within a different category or room space, the higher criterion should be adopted.

(Extract) UK Department of Health, Health Building Note 00-10 Part A : Flooring, Type of finish by room space.

## HIGH DESIGN WITH SAFETY ASSURED

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. 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.



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.

## THE CLEANABILITY OF SAFETY FLOORING

In a recent HSE Report - vinyl safety flooring offers the same hygiene levels as smooth flooring RR889 - a key conclusion was that the cleanability of the flooring should not be a barrier to the use of slip resistant flooring in foreseeably wet or contaminated work areas in hospitals.

## 4 steps to safety

1

36+ RRL  
Pendulum Wet Test

2

Surface Roughness  
Rz  $\geq 20\mu\text{m}$

3

Proven Cleanability

4

Sustainable Slip  
Resistance

HSE Compliant



# 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.

## 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.

# Specialist Flooring

## SPECIALIST FLOORING

Polyflor vinyl ranges are classified as anti-static when tested to EN 1815. For specialist applications where there is a requirement to dissipate the charge, use of the Polyflor ESD family of vinyl floorcoverings is recommended in scanner rooms, x-ray suites and operating theatres.

## ACOUSTICS

Polyflor acoustic vinyl floorcoverings have been designed and developed to assist in improving the acoustic properties within healthcare locations, as a well planned acoustic environment enhances the feeling of privacy, safety and comfort. Acoustix ranges are tested in accordance with ISO 140-8 and manufactured in line with Building Regulation requirements.

## INFECTION PREVENTION & CONTROL

The issue of preventing and controlling infection distinguishes healthcare settings from many other building types.

During the design stage an assessment of usage and traffic in all areas, including hygiene critical locations, is undertaken. This determines the most appropriate type of floorcovering and finish and the level and frequency of an infection control and cleaning regime to be implemented.

# Cleaning Regimes

## EFFECTIVE CLEANING REGIMES

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 patients and staff.

As the likelihood of spillages is ever present in a busy healthcare 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.



WARWICK HOSPITAL | UK



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 cleansing 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.



# Hygiene Critical

## CREATE CLEAN & HYGIENIC ENVIRONMENTS

It is important to regularly assess the various locations within a healthcare 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 healthcare environment, detailed floorcare guidance is available for all products, along with a list of cleaning products approved for use with Polyflor floorcoverings.

All cleaning products should be used in accordance with the manufacturers' 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.

Also as part of infection control measures and for general cleaning, many hospitals are now using steam equipment to sanitize multiple surfaces, including the floor. The Polyflor homogeneous PUR and Polysafe PUR ranges are suitable for steam cleaning on a periodic basis.

The use of robot-like devices, dispersing hydrogen peroxide vapour across floors and walls to further improve strict infection control practices poses a very low risk to in-situ vinyl flooring and wall cladding.

To further encourage hygiene compliance, alco-based hand gels are being increasingly used alongside an effective cleaning regime as part of infection control programmes.

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)

## 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. Provided the Polyflor approved maintenance regimes are adhered to, substances such as blood should not leave a stain on the surface of the material. A comprehensive guide to chemical effects and staining by product shade is available on request.



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## Polyflor Hygiene Statement

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.

## Best Value Flooring Solutions

Budgets are tight in many new build or refurbishment projects and whatever the budget, Polyflor offers 'best value' vinyl flooring solutions where high quality and high performance are a given.

Vinyl is a cost effective, multi-faceted plastic - a necessity in every day life due to its flexibility, durability, performance and functionality. The availability of floorcoverings in sheet, tile and plank, in varying thicknesses and lengths, colours and decorations gives the specifier many options without any need for compromise in terms of performance, quality and aesthetics in today's modern healthcare environments.





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