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James Halstead
FLOORING



LIT90/04



Healthcare

EXPERTS IN HEALTHCARE FLOORING



Healthcare

Welcome to the Polyflor Experience

Polyflor has the expertise, experience and flooring solutions for almost every conceivable area within the hospital.

EXPERTS IN HEALTHCARE FLOORING

HELPING THE HEALING PROCESS

21st century healthcare design is about homely, relaxed environments for patients, staff and visitors. The choice of floorcovering can have a major impact on the 'feel' of a hospital. When part of a complete design concept, floors can even aid the healing process.

COLOUR AND DESIGN

These are the keys to achieving a positive contribution to patient care. Polyflor possesses a broad palette of contemporary colours. The Polyflor Expressions Design Service helps you create a precision-cut, easy to install floor design, to transform any healthcare facility.

LOWER COSTS

Budgets are tight in many new build or refurb projects and the chosen flooring must be cost-effective and durable over its entire life cycle. Polyflor's portfolio of floorcoverings has options to suit various budgets, together with low maintenance products that will reduce whole-life costs.



As a leading healthcare flooring provider, Polyflor offers both hygienic and practical solutions for the healing environment.

HYGIENIC, PRACTICAL SOLUTIONS

HIGHER PERFORMANCE

Hospital floors must perform. Criteria such as durability, slip resistance, hygiene and maintenance are vitally important. Polyflor's products offer a wide variety of performance characteristics to suit different healthcare environments, and all our products are tested to international standards. Our manufacturing process conforms to ISO 9001 and we have ISO 14001 environmental accreditation.

CLOSE LINKS

Polyflor works closely with key healthcare organisations. In the UK, we sponsor the influential 'Architects for Health' think-tank, we have worked with NHS Estates to create new flooring specifications, and initiated research projects on hospital-acquired infections (HAIs) working with the Infection Control Nurses Association (ICNA).



PROTECTION AGAINST INFECTION

With the recent rise in infections such as MRSA and E-coli, hospital cleanliness has come under the spotlight. Results from independent testing certify that the majority of Polyflor ranges inhibit the growth of MRSA. However, in our experience, the best defence against infection is to implement an effective cleaning regime.

To make this regime more straightforward and less costly, Polyflor have 'low maintenance' options throughout our portfolio.

ENVIRONMENTAL

GREEN GUIDE 'A' RATING

Polyflor products **Standard XL**, **XL PU**, **Mystique PUR** and **Classic Mystique PUR** (2mm sheet) are now certified through BRE Certification Ltd for their environmental profiles, achieving the highest possible rating 'A' over a 60-year service life. The BRE method of environmental profiling ensures that reliable and comparable environmental information is available in the marketplace.



Environmental Profile
Certificate No. ENP 336





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Colour and design combine to create the perfect first impression. A selection of contemporary shades from Polyflor XL PU provides a stunning, yet durable solution, ideal for the modern healthcare environment.

ENTRANCE AREAS

ENTRANCE AREAS

Create the perfect first impression. Entrance areas say 'welcome' to staff, visitors and patients alike. However they have to cope with dirt and moisture walked in from outside the building and high traffic levels and so may require more intensive, frequent cleaning than upper floor, low circulation corridors.

An effective dirt barrier system should be considered early in the specification stage to help reduce maintenance costs and protect the floorcovering in main circulation areas.

Combining stunning designs with quality materials and proven functionality, the Expona art & design collection is installed in main reception and waiting areas and features a polyurethane surface treatment, aiding maintenance and removing traditional restrictions on freedom of design choice.



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CORRIDORS

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The PUR family is ideal for corridor areas. Their non-directional decoration options gives a much neater join between adjoining corridors, leading to better aesthetics and reduced wastage. Wayfinding problems can be reduced with colour zones, using Polyflor's impressive colour palette and creative use of Expressions designs to locate different departments.

Polyflor **Forest FX** is a highly sophisticated and realistic wood effect sheet vinyl flooring for use in corridors and wards. Quick and easy to install, Polyflor **Forest FX** can be welded at the seams to provide a hygienic surface, offering no sanctuary to dirt and bacteria.



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Mystique PUR is installed in the wards and corridors at Reading's Royal Berkshire NHS Foundation Trust, UK - rated in 2005 by the Healthcare Commission as the joint cleanest NHS acute hospital in the country. A spokesman said:

"Easily maintained floorcoverings like these obviously play an important role in our overall strategy for ensuring maximum cleanliness within the hospital."

**LIFELONG
POLISH
FREE
MAINTENANCE**

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All Polyflor sheet vinyls can be welded at the seams and to cover skirtings to create continuous, impervious surfaces offering no sanctuary to dirt and bacteria.

WARD AREAS

PATIENT WELLBEING

Polyflor can help enhance patient wellbeing, through imaginative use of colour and design. The wood designs of Forest FX create a softer, more homely interior with no compromise on hygiene. The excellent durability and attractive appearance of the PUR ranges are ideal for ward environments and feature a low maintenance polyurethane reinforcement (PUR) which protects the floor and facilitates a lifelong polish-free maintenance regime.

CHILDREN'S AREAS

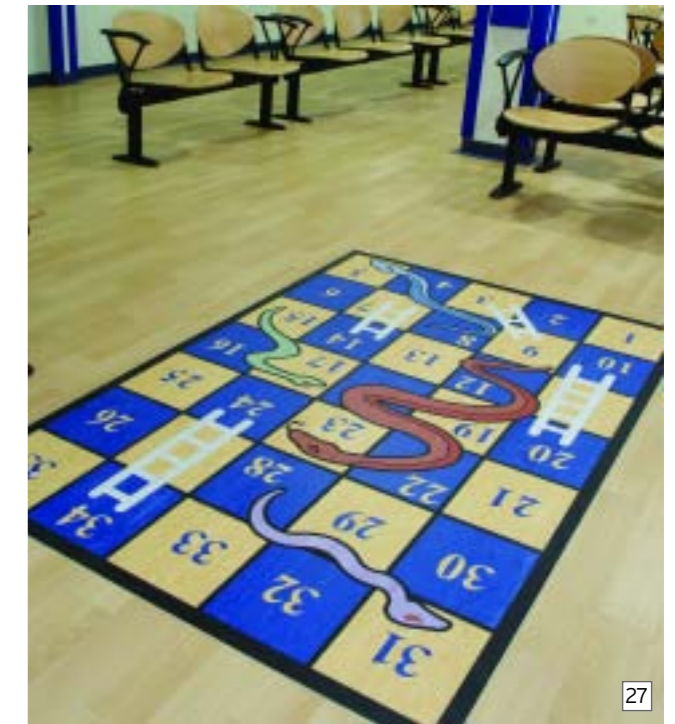
Polyflor's bright primary shades combined with the Expressions Design Service can create fun, friendly environments. Storybook characters can be created in the floor to help children feel relaxed and at home, helping to provide a cheerful ambience for staff and young patients alike.



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PUBLIC AREAS

WAITING AREAS

Waiting areas used by both visitors and patients are key communal spaces within any healthcare environment. Polyflor can help create a comfortable area, with added interest through the use of floor art with colourful and creative flooring designs.

To enhance and complement existing light, bright décor, Polyflor **Forest FX** is ideal for waiting areas as the timber effect sheet vinyl flooring creates a touch of elegance.



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EATING AND DRINKING

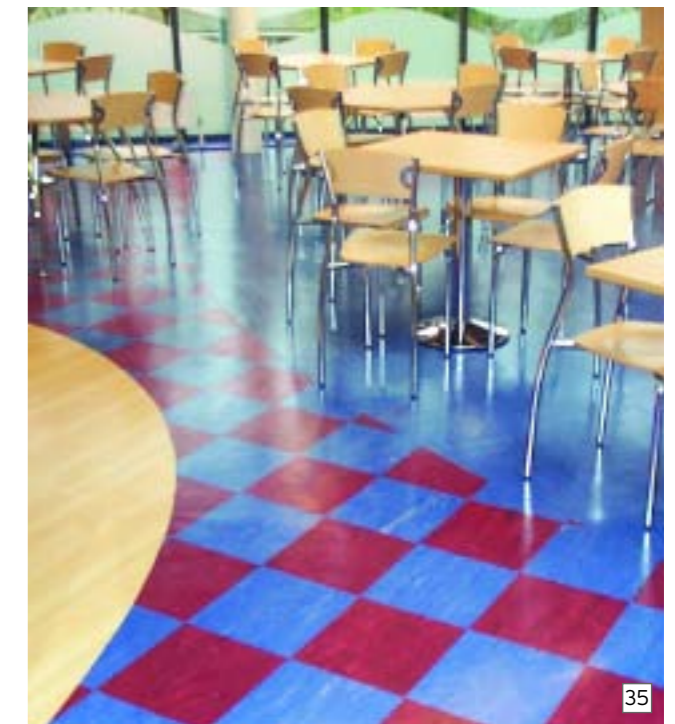
CAFÉS AND RESTAURANTS

A relaxed, fresh and inviting environment can be created by combining the highly realistic textures and aesthetics within the **Expona** or **Kudos** luxury vinyl tile ranges. Contrasting stone and design effects from the **Expona art & design** collection provide the perfect complement to the elegant furnishings of the main reception and waiting area at Blackpool's Victoria Hospital, UK.

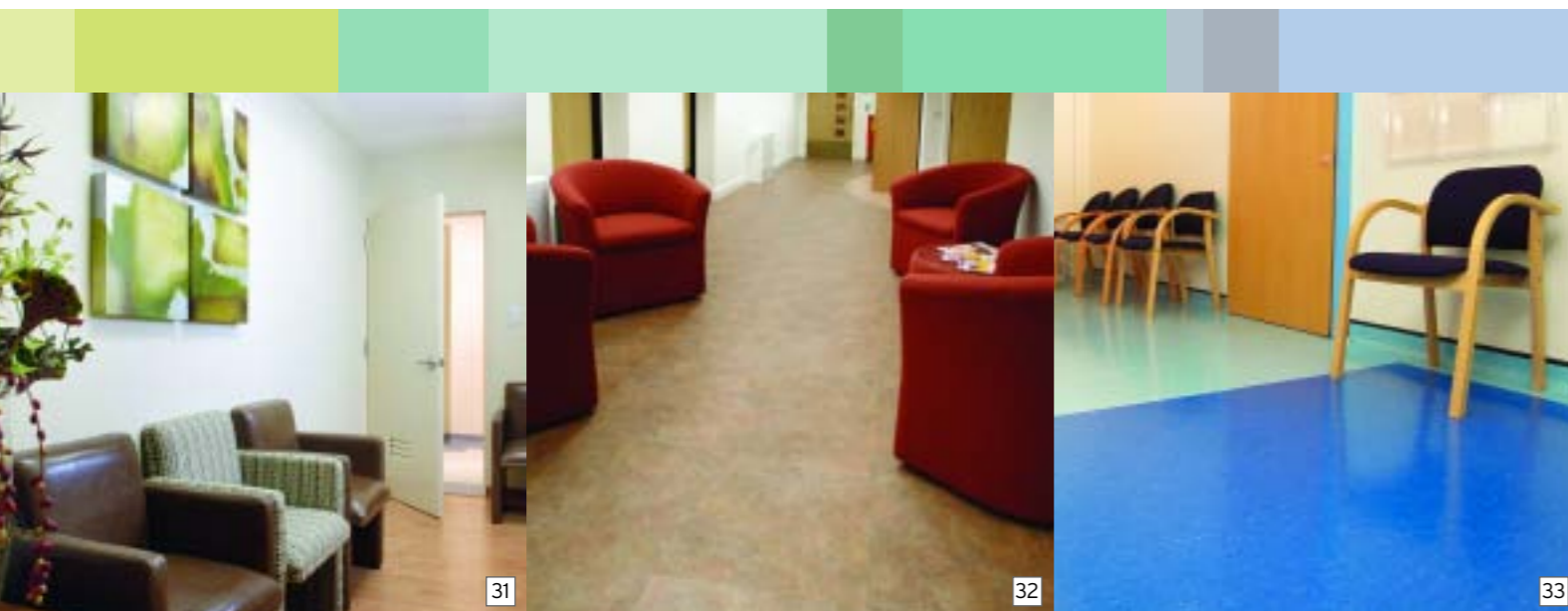
FOOD PREPARATION AREAS

Safety flooring is ideal for high footfall areas that require increased levels of slip resistance such as food preparation areas and busy commercial kitchens.

Polysafe Ultima is particularly suitable in these areas due to the flooring's high surface roughness and strict adherence to HSE Guidelines, giving users confidence in the ability of the floor to deal with contaminant spillages whilst providing sustained slip resistant performance.



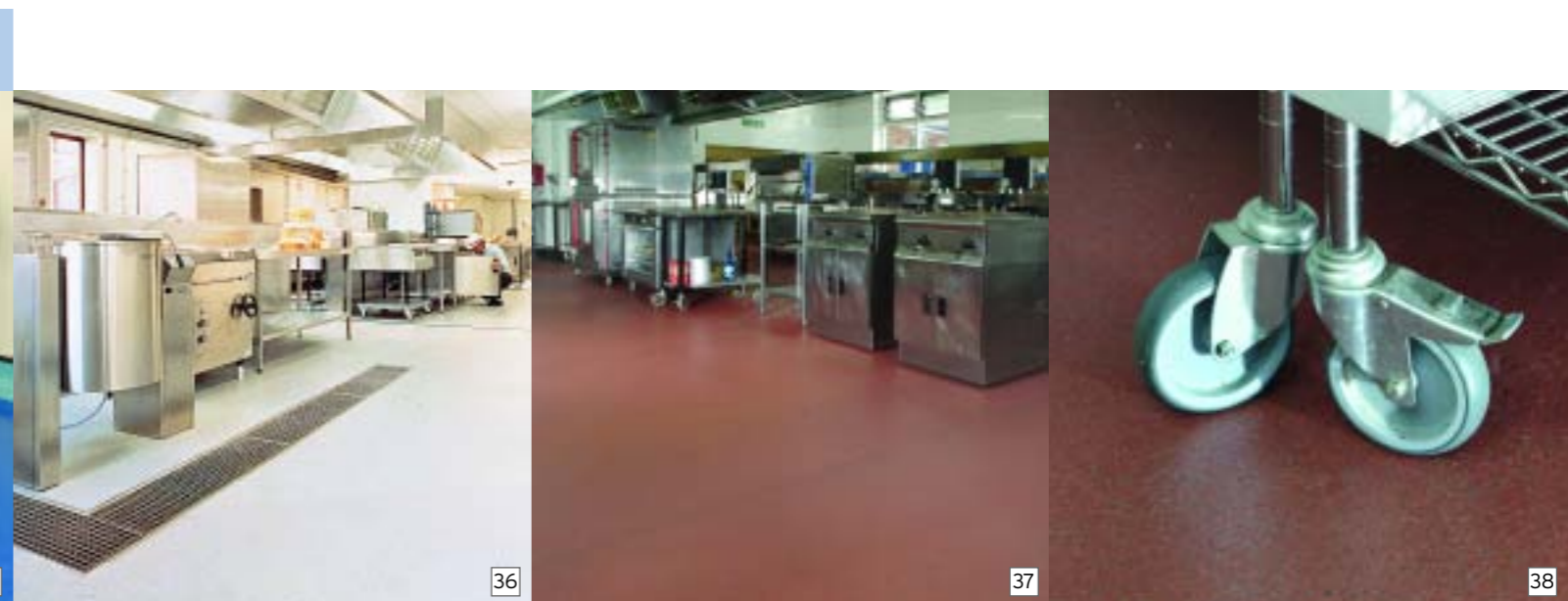
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For continually wet and barefoot areas such as walk-in showers and hydrotherapy areas, Polysafe Hydro and its distinctive raised pimple emboss is the recommended choice to give sustainable slip resistance to both patients and staff alike.

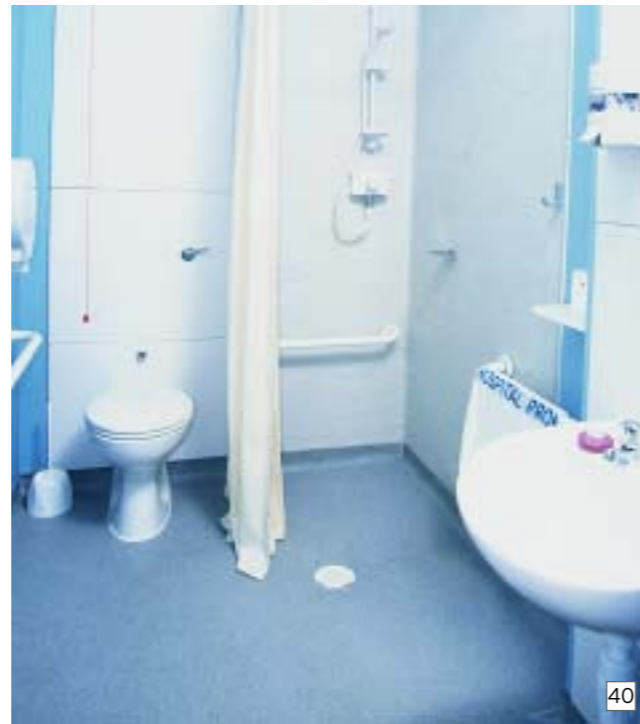
HYGIENE CRITICAL

OPERATING THEATRES

Hygiene is the priority. Polyflor sheet floorcoverings can be welded and finished to create a continuous, impervious floor that offers no sanctuary to dirt and bacteria. Sensitive monitoring equipment can be protected by installing floors from the Polyflor ESD family. Our technical staff can provide advice on testing and combating electrostatic discharge in X-ray suites, scanner rooms and operating theatres.

SHOWERS, BATHROOMS AND WASH ROOMS

Wet areas require a high-performance safety flooring to reduce the risk of slipping. Ranges from our safety flooring collection are used in areas where water spillages and other contaminants regularly occur. The Polyclad ranges of wall and ceiling claddings are designed to be welded to any Polyflor sheet floorcoverings to create a neat, clean and watertight finish, enabling specifiers and end users to meet from one source the demand for high hygiene standards and for improved aesthetic appearance in cleanrooms, laboratories and pharmaceutical areas.



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The home of Low maintenance

MAINTENANCE SOLUTIONS

MAINTENANCE IS A LIFE-LONG ISSUE

Poor maintenance damages aesthetics, impairs performance, shortens floor life and creates hygiene problems in critical areas. It is therefore essential to develop a regime appropriate to the area in question. The machinery, materials and labour costs of a lifetime's maintenance far outweigh the initial purchase and installation cost of a floor. Anything that can reduce costs and make cleaning easier promises real, long-term benefits for the hospital.

In the battle against infection, a stringent cleaning regime throughout is key to creating a hygienic and safe hospital environment. And this includes ensuring the flooring is kept clean. A clean floor is a healthy floor.

In recognition of this, Polyflor provides low maintenance options right across our product portfolio, such as Supratec⁺, PUR and PU.

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



SUPRATEC⁺ FAMILY

- ▶ Solution to intensive maintenance of traditional safety floorings.
- ▶ Supratec⁺ is an exclusive, newly enhanced polymer system which facilitates easier soil release.
- ▶ Significantly easier maintenance throughout the life of the product whilst retaining the same levels of slip performance.
- ▶ Up to a **60%** lifecycle cost saving when compared to traditional safety flooring, together with excellent appearance retention.

SUPPORT THROUGHOUT YOUR PROJECT

To ensure that the maximum benefit is gained from our products in use, Polyflor provides a fully comprehensive Technical Manual. Copies are available upon request. Alternatively, visit the Polyflor website to download and print information from within the Technical section, including Preparation, Installation, Approved Products, Performance & Properties, Product Specifications, General Performance, Safety Data Sheets and Maintenance.



PUR FAMILY

- ▶ Polyurethane reinforcement provides enhanced protection and an easier maintenance regime.
- ▶ Facilitates a lifelong polish-free maintenance regime, leading to overall maintenance cost savings of ca. **48%**.



PU FAMILY

- ▶ Polyurethane surface treatment which provides an excellent foundation for an ongoing maintenance regime.
- ▶ Protection leads to ca. **24%** cost savings on maintenance when compared to untreated products.



No two healthcare facilities are the same, and different areas within the same hospital will have different maintenance requirements. Polyflor can provide tailored maintenance advice to hospital cleaning staff for any location.



COVERING THE WORLD

ABOUT POLYFLOR

Part of the James Halstead Flooring Group, Polyflor pioneered homogeneous vinyl floorcoverings in the 1950s. Since then, the company has experienced rapid growth, first in the UK and then around the world. Today, Polyflor is an international company with many overseas subsidiaries, and over 50% of production exported.

In 2006 the Queen's Award for Enterprise was presented to the James Halstead Group for outstanding and continuous achievement in the category of International Trade.

More recently, in 2007, top-selling Polysafe sheet vinyl safety flooring has been presented with the Queen's Award for enterprise in the category for continuous product innovation and development.

We put our success down to customer focus and continuous improvement: two principles that have guided the expansion of our portfolio into decorative products, safety floorings, specialist floorings, luxury vinyl tiles and the SaarFloor rubber collection.

As a global business Polyflor does not underestimate, nor shrink from, the immense responsibility of protecting our environment for future generations. We have a clear vision of an environmentally and economically sustainable business which will be attained by the achievement of key environmental goals. We recognise this as the biggest single challenge to face our Company over the next ten to fifteen years.

To request a copy of the Environmentally Sustainable Development Report 3 visit www.polyflor.com or telephone +44 (0)161 767 2551.



COVERING THE WORLD

INSTALLATION PHOTO REFERENCES

- | | |
|---|--|
| 1. West Middlesex Hospital, Middlesex, UK | 44. Wrightington Hospital, Wigan, UK |
| 2. Healthcare Facility, Germany | 45. Queen Elizabeth Hospital, Woolwich, UK |
| 3. Gloucestershire Royal Hospital, Gloucester, UK | 46. Hospital, Poland |
| 4. Kiangwu Taipa Clinic, Macau | 47. Southport Ormskirk Hospital, UK |
| 5. Blackpool Victoria Hospital, UK | 48. Wrightington Hospital, Wigan, UK |
| 6. Gravesham Hospital, Gravesend, Kent, UK | 49. American Hospital, Dubai, UAE |
| 7. Armley Moor Health Centre, UK | 50. Lakeview Manor, Beaverton, Ontario, Canada |
| 8. Richardson Hospital, Bernard Castle, UK | 51. Richardson Hospital, Bernard Castle, UK |
| 9. Hope Hospital, Salford, UK (logo) | 52. American Hospital, Dubai, UAE |
| 10. Coxa Hospital, Finland | 53. Broadgreen Hospital & Cardiothoracic Centre, Liverpool, UK |
| 11. Blackpool Victoria Hospital, UK | |
| 12. Blackburn Children's Centre, UK | |
| 13. North Devon District Hospital, Devon, UK | |
| 14. Blackpool Victoria Hospital, UK | |
| 15. Children's Hospital for Wales, Cardiff, Wales* | |
| 16. Bridgnorth Community Hospital, UK | |
| 17. Princess Margaret Hospital, China | |
| 18. Birmingham Children's Burns Unit, UK | |
| 19. American Hospital, Dubai, UAE | |
| 20. Royal Berkshire Hospital, Reading, UK | |
| 21. Richardson Hospital, Bernard Castle, UK | |
| 22. St Thomas's Hospital, London, UK | |
| 23. Mechelen Hospital, Belgium | |
| 24. Cork University Maternity Hospital, Cork, Ireland | |
| 25. Manor Hospital, Walsall, West Midlands, UK | |
| 26.27 Alder Hey Hospital, Liverpool, UK | |
| 28. Birmingham Children's Burns Unit, UK | |
| 29. North Devon District Hospital, Devon, UK | |
| 30. Manor Hospital, Walsall, West Midlands, UK | |
| 31. Waiting Room, Tampico Hospital, Mexico | |
| 32. Blackburn Children's Centre, UK | |
| 33. Gravesham Hospital, Gravesend, Kent, UK | |
| 34. Blackpool Victoria Hospital, UK | |
| 35. Freeman Hospital, Newcastle Upon Tyne, UK | |
| 36. UMIST, Manchester, UK | |
| 37.38 Wrightington Hospital, Wigan, UK | |
| 39. Mechelen Hospital, Belgium | |
| 40. Cumberland Infirmary, Carlisle, UK | |
| 41. Manor Hospital, Walsall, West Midlands, UK | |
| 42. Medica Sur Hospital, Mexico | |
| 43. Armley Moor Health Centre, UK | |

A SELECTION OF WORLD PROJECTS

Currimundi Hospital, Queensland	Australia	8,000m ²
Royal Inland Hospital Kamloops BC	Canada	5,800m ²
Glen Stodum Lodge	Canada	7,500m ²
Lake View Manor	Canada	10,000m ²
Clinica San Carlos de Apoquindo PUC	Chile	4,800m ²
Jorvi Hospital - part 1	Finland	4,000m ²
Porvoo Hospital	Finland	7,000m ²
Gibraltar General Hospital	Gibraltar	15,000m ²
Sansofia Children's Hospital	Greece	5,000m ²
Pamela Youde Hospital	Hong Kong	120,000m ²
Manipal Group Bangalore Hospital	India	4,000m ²
Beacon Court Hospital, Dublin	Ireland	12,000m ²
Hospital, Bari	Italy	22,000m ²
Hospital de Cemain en Tampico	Mexico	19,000m ²
Auckland Hospital	New Zealand	26,000m ²
Jessheim Sykehjem Hospital	Norway	10,000m ²
Oncology Hospital, Poznan	Poland	4,000m ²
Botkiskanskaya Hospital	Russia	50,000m ²
Nelson Mandela Hospital, Umtata	South Africa	26,600m ²

RECENT PFI PROJECTS (UK)

Derby Hospital	120,000m ²
Broadgreen Hospital, Liverpool	20,000m ²
Royal Victoria, Blackpool	10,000m ²
Basildon Hospital	9,000m ²