TRANSFORMING
education environments

Floorzone Solutions for the Education Sector
Flowcrete’s commitment to exceptional design, technical support and advisory services, from initial enquiry through to installation, is at the heart of our business philosophy. Our global success is driven by our commitment to excellence; excellence in products, excellence in service and excellence in people.

With manufacturing plants across Europe, the Americas, Asia and Africa, a global commercial and sales support team and the backing of a major multinational manufacturing group, Flowcrete is well placed as the world’s leading performance flooring designer and manufacturer to serve clients in their local markets.

Our fully trained and monitored global network of approved flooring contractors ensures your flooring project is in safe hands with Flowcrete.

Flowcrete UK has been inspired by recent innovations to simplify the procurement process involved in developing new, state-of-the-art primary and secondary schools across the UK.

As a result, Flowcrete UK has made it a priority to streamline the flooring specification process for architects, main contractors and education authorities involved in both new-build and refurbishment school projects by presenting the complete Floorzone Solution for education environments.

The Floorzone Solution, as we like to call it, consolidates the entire flooring needs of any school development – from substrate to finish – and is delivered to site for installation under one manufacturer’s warranty.

This package includes decorative and durable resin floor finishes, an eco-friendly Isocrete floor screed along with the option of adding an energy-saving underfloor heating system as well as a sound-proofing acoustic layer.

Flowcrete UK has built up a wealth of experience in delivering high-quality flooring systems to some of the country’s leading schools, colleges and universities. To see how we could help you with your education environment, step inside...
What kind of flooring system to install? That’s the big question faced by specification professionals involved in the education sector who are looking to satisfy a number of aesthetic requirements and service conditions.

Looking closely at the learning environment you’ll find a number of teaching spaces – from music rooms, art rooms, science laboratories and technology workshops through to cafeterias, changing rooms and concourse areas.

Our extensive range of flooring products ensures that we have the right solution for each workspace within the school building, creating environments which are not only conducive to learning and teaching processes but establish a climate of innovation within the classroom.

Flowcrete offers an extensive range of decorative resin flooring solutions for education environments. To find out more visit us online.

General Teaching Spaces
Classrooms, staff rooms, libraries and offices need a floor finish that is durable, slip-resistant and attractive underfoot. Why not specify one of our decorative resin finishes? They create bright and modern environments, can withstand intense foot traffic and are easily cleaned and maintained.

- Peran SL
- Flowshield Quartz
- Peran STB

Science Laboratories & Technology Rooms
Science laboratories and technology rooms need light practical flooring that takes chemical and paint spillage in its stride. Why not opt for one of our chemical resistant finishes? They offer varying degrees of corrosion resistance dependant upon the chemicals used within your teaching programmes.

- Peran ESD SL
- Flowshield SL
- Peran STB

Food Preparation Zones, Kitchens & Cafeterias
Food preparation zones, back-of-house kitchens and food technology rooms require flooring that achieves optimum hygiene performance. Why not specify our antimicrobial floor finish, Flowfresh? In partnership with Polygiene®, our Flowfresh range offers total protection against bacteria, can withstand thermal shock and is easily sterilised.

- Flowfresh MF
- Flowfresh RT

Sports Facilities
Sports halls, gymnasiums and dance studios need flooring that is durable, easily cleaned, hygienic and slip-resistant. For a flexible sports flooring option, why not consider FlowSport? The system has been designed to provide a vibrant and cushioned surface for use in multi-use gymnasium and indoor sports venues.

- FlowSport

Corridors & Stairwells
Corridors and stairwells are the life-blood of the school environment and require a floor finish with good all round performance? Why not opt for Flowfast? This range, which can be laid to treads and risers, offers impressive slip resistance combined with a decorative and trafficable surface that is ready to use two hours after installation.

- Flowfast Quartz
- Flowfast Trerroso

Music Rooms & Technology Workshops
Music recital rooms, conferencing suites and drama studios require good acoustic insulation so as not to impact upon teaching elsewhere within the school environment. Why not choose our acoustic flooring system Isocrete Acoustic K? This system, which comes with a retaining screed system complies with Approved Document E and Scottish Technical Handbook Section 5.

- Isocrete Acoustic K
We have a huge range of resin floor finishes and decorative surface materials, which have been designed to perform in the school environment. This includes hygienic floors for food processing zones, rapid curing floors that can be installed on the fast-track, chemical resistant floors for science labs and colourful floors that make a bold design impact underfoot.

Hidden from sight under the surface of the floor our Isocrete Floor Screeds range offers school environments the level best. Fast, strong, safe and now sustainable, our floors screeds are completely free from Ordinary Portland Cement (OPC) and contain up to 40% recycled material including several by-products reclaimed from heavy industry waste streams.

Providing schools with energy-savings of up to 30% when compared to traditional heating methods, our Isowarm Under Floor Heating system provides invisible, controllable heat where it is needed the most - from the ground up. The Isowarm system, which is water-based, can be reversed during the summer months to offer a cooling effect underfoot.

Designed to reduce noise levels between floors in multi-occupancy environments, Isocrete Acoustic K is an effective acoustic flooring solution for learning facilities. The system, which is set in a retaining screed and can be used in conjunction with Isowarm, can help to eliminate the adverse effects on learning brought about by poor acoustic standards.

Our Floorzone solution combines all the flooring needs of education environments, from the self-levelling Isocrete Floor Screed, supported by an Under Floor Heating system and Isocrete Acoustic K insulation, through to the decorative performance floor finish of your choice.

1. FLOOR FINISH
2. FLOOR SCREED
3. UNDERFLOOR HEATING
4. ACOUSTIC INSULATION

Our Floorzone solution combines all the flooring needs of education environments, from the self-levelling Isocrete Floor Screed, supported by an Under Floor Heating system and Isocrete Acoustic K insulation, through to the decorative performance floor finish of your choice.
### SPECIALIST - Flooring Features

There are a number of factors that need to be considered when specifying flooring products for new-build or refurbishment school projects. Flowcrete floors offer the following characteristics - helping to enhance productivity from the ground upwards.

#### Environmental

The majority of our resin flooring systems are solvent-free and have been innovated from water-based technologies. Many of the systems that we recommend for school environments contain a large quantity of recycled materials. End-of-life resin flooring systems can simply be re-floor or re-covered, without need to be ripped up and disposed of landfill sites.

- **Mondéco Mirrazzo**
- **FlowSport**

#### Slip Resistance

Floor coatings can go a considerable way to reducing the amount of slips, trips and falls that can occur in school environments. A number of our resin coating systems are positively textured and others can be adjusted to suit slip resistance and anti-skid requirements, ensuring maximum levels of protections for staff, pupils and visitors underfoot.

- **Flowfresh MF**
- **Peran STB**

#### Hygiene

Hygiene is an important issue for learning environments exposed to a large dose of dirt, dust and bacteria. Our seamless floor and wall coatings eliminate the cracks and crevices prone to harbouring these nasties. Also, we offer a polyurethane system that contains a powerful antimicrobial additive designed to destroy bacteria on the surface of the floor.

- **Flowfresh MF**
- **Mondéco TZ**

#### Durability

Many of our resin floor finishes offer the strength and durability needed to withstand constant and heavy foot traffic - a must in the fast-paced school environment. With the correct cleaning and maintenance regimes, many of our systems can last in excess of 25 years, and therefore offer excellent lifecycle properties including cost and value.

- **Flowfresh MF**
- **Mondéco Exotic**

#### Fast-Track Installation

New-build or refurbishment works for schools, colleges and universities often come with a fast-paced construction programme. Our resin systems have been designed to accommodate fast-track installation and can often be applied overnight and/or onto surface dry concrete. Our specialist MMA flooring range can deliver cure times of just two hours.

- **Mondéco Crystal Ice**
- **Mondéco Exotic**

#### Colourful & Decorative

To help create bold, bright and stimulating learning environments, many of our resin floor finishes are available in a vibrant colour pallette. As a result of the way in which our resin materials are installed any surface design is achievable, no matter how complex. This can help to make a big design impact in area such as receptions, lobbies and assembly halls.

- **Peran SL**
- **Flowfast Terrosso**

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**PRODUCT - technical information**

The figures provided in the table below are typical properties of our specialist flooring systems achieved in controlled laboratory tests that were conducted at 20°C and at 50% relative humidity. For full system technical data, please contact your local Flowcrete office or alternatively visit us online.

<table>
<thead>
<tr>
<th>Flooring System</th>
<th>Peran SL</th>
<th>Flowshield Quartz</th>
<th>Mondéco Mirrazzo</th>
<th>Peran STB</th>
<th>Flowfast Quartz</th>
<th>Flowfast Terrosso</th>
<th>FlowSport</th>
<th>Mondéco Crystal Ice</th>
<th>Flowfresh MF</th>
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<tbody>
<tr>
<td>System Thickness</td>
<td>2mm</td>
<td>2mm</td>
<td>7mm</td>
<td>2-4mm</td>
<td>3-6mm</td>
<td>4mm</td>
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<td>4-6mm</td>
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<td>Impact Resistance (ISO 6272)</td>
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<td>-</td>
<td>1kg &gt; 1.8m</td>
<td>2kg &gt; 1.5m</td>
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<td>-</td>
<td>1kg &gt; 1.5m</td>
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<td>Class AR2</td>
<td>Class AR2</td>
<td>Class AR2</td>
<td>Class AR1</td>
<td>Class AR2</td>
<td>Class AR2</td>
<td>Dry</td>
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<td>Temperature Resistance</td>
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<td>-</td>
<td>-</td>
<td>60 N/mm²</td>
<td>55 N/mm²</td>
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<td>Permeability (nil-Karcher Test)</td>
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<td>Impermeable</td>
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<td>60 N/mm³</td>
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<td>Flexural Strength (BS 6319)</td>
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<td>23 N/mm³</td>
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<td>&gt;20 N/mm³</td>
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<td>Tensile Strength (BS 6319)</td>
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<td>&gt;10 N/mm³</td>
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<td>Slip Resistance* (BS 7976-1)</td>
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<td>Speed of Cure (per layer)</td>
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<td>Traffic 4hr Chem / Resin</td>
<td>Traffic 4hr Chem / Resin</td>
<td>Traffic 1hr Chem / Resin</td>
<td>Traffic 1hr Chem / Resin</td>
<td>Traffic 4hr Chem / Resin</td>
<td>Traffic 4hr Chem / Resin</td>
<td>Traffic 1hr Chem / Resin</td>
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<tr>
<td>Flex Resistance (EN 350-1)</td>
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<td>Class 2 (Indicative)</td>
<td>Class 2</td>
<td>CPL -1</td>
<td>CPL -1</td>
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<td>Class 2</td>
<td>CPL -1</td>
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<tr>
<td>Product Sample</td>
<td>Goosewing</td>
<td>Beige 326</td>
<td>Botticino</td>
<td>Blue 7200</td>
<td>Green 7300</td>
<td>Dali</td>
<td>Traffic Red</td>
<td>Oyster White</td>
<td>Olive</td>
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</table>

*The slip resistance of flooring materials can change significantly due to the installation process, often short periods of use, due to inappropriate maintenance or longer term use. To meet slip resistance value requirements for wet conditions, textured systems are recommended. Please consult a technical advisor at your local Flowcrete office for further details and specifications.

**Figures shown at 20°C. For speed of cure at 10°C and 30°C, please contact your local Flowcrete office.**
FOCUS ON -
the floorzone

An expert insight into flooring for the education industry...

The architecture, space utilisation, décor and air quality within school buildings can play a vital role in shaping a stimulating learning environment. Unlike traditional flooring materials, such as carpet, tiles or linoleum, our seamless flooring solutions can help to engage students in the education environment.

Our Floorzone Solution helps to create welcoming surroundings, which can encourage improved attendance, improved concentration and a healthy dose of motivation. Furthermore, the performance aspect of our floors assist education professionals and maintenance staff by delivering surfaces that are adaptable to their day-to-day needs.

Our Floorzone Solution delivers economy of space - removing radiators and replacing them with an underfloor heating system. The addition of underfloor acoustic insulation creates sound-proof workspaces – a must in certain areas of busy school environments.

Our Isocrete Floor Screeds deliver strong, hard-wearing sub-floor surfaces designed to last the lifetime of the building. Our decorative resin floor finishes are easily-cleaned, slip and skid resistant, which help to make a bold design impact underfoot.

On top of all this, our Floorzone Solution promotes sustainability and longevity – combined with life-cycle cost reductions.

ENVIRONMENTAL -
protection

Flowcrete UK Ltd is committed to developing its operations in a sustainable manner and has a holistic approach to producing environmentally friendly flooring materials and using our planet’s resources responsibly. Significant point enhancements can be obtained under the BREEAM® system by utilising Flowcrete products on school developments. Our Floorzone Solution has been designed with sustainability in mind and offers a number of key environmental benefits.

To find out more, visit: www.flowcreteasia.com

TRANSFORMING EDUCATION ENVIRONMENTS -

Barnsley Academy, UK.

A decorative quartz floor finish from Flowcrete’s commercial flooring range takes centre stage at the Barnsley Academy development. Flowcrete’s Peran STB has been used to floor the school’s Resistant Materials Suite, Art Rooms, ICT Centre and Food Technology Workshops, offering high durability, scratch resistance and a hygienic and seamless floor finish.

Available in a striking range of quartz blends, Peran STB teams aesthetics with workability to deliver a versatile and hygienic flooring system that has been used in a variety of environments across the learning complex.

Matthew Boulton Campus, UK.

As part of a £40 million redevelopment, the fashion premise chose a complete makeover with Peran SL Fruity, the self-smoothing, high gloss resin floor from Flowcrete. The new college campus provides stunning premises to house both existing and developing business and is the largest further education development the region has seen and approaches the second largest national project.

Vibrant blues and greens were selected to enhance the learning environment while the main dining room used a bold, stylish pure white; perfect for a modern environment. The trendy resin flooring is easy to maintain and is extremely hard wearing making it the perfect choice for Matthew Boulton College.

Minster School, UK.

Minster School’s new centre is a blueprint for the 21st century, which sets out a plan for world-class centres of education.

Flowcrete’s seamless terrazzo floor Mondéco Earth was used in the main entrance and central heartspace to create a highly attractive yet durable finish for an area that is the school’s first point of contact. Able to take all the knocks and bumps encountered in educational buildings, Mondéco scores well in the environmental stakes, due to its longevity.

Flowcrete’s Peran SL brightened the corridors with a strong splash of colour while Peran STB was applied in classrooms. Coordinating colours of the systems were used to zone different areas of the school.

ISO 9001
FM 41035
To find out more, visit:
www.flowcrete.co.uk/floorzone
www.flowcreteasia.com