



Signature Aviation, London

Flowcrete - world class floors for world class manufacturing

**Welcome to the World of Flowcrete - manufacturers of World Class Floors for World Class Manufacturers.
We walk all over them, but I believe floors should be explored from a fresh perspective.**

I'm passionate about transforming UK industry and know how a new floor finish can transform and energise working environments and act as a catalyst for cultural change - enabling the manufacturing industry to create more inspirational, productive working environments. Floors installed in world-class locations including Bentley and Jaguar have acted as a platform for cultural change within organisations looking to achieve the 5S of manufacturing - to strip, sort, shine, standardise and sustain. Creating cleaner, tidier, safer, more effective environments, the floors have been catalysts in positive transformations not only in the UK but across the globe. Productivity improves where there's a pride and positive feel to the workplace. In short, Flowcrete floors help deliver transformation and inspiration to provide a positive effect on the bottom line. Our proven success in sectors including food, aerospace, pharmaceutical, automotive and electronic manufacture is driven by our commitment to excellence; excellence in products, excellence in people and excellence in service. With an exceptional technical and advisory service, together with a fully-trained global network of licensed applicators, your flooring project is in safe hands with Flowcrete.



Dawn Gibbins MBE DBA

We look forward to working with you. *Dawn Gibbins*

Founder & Chairman Flowcrete Group plc

Performance floors from Flowcrete have been installed across the automotive sector in the UK

Recent installations include Jaguar at Castle Bromwich and Halewood, as well as Bentley Motors in Crewe.

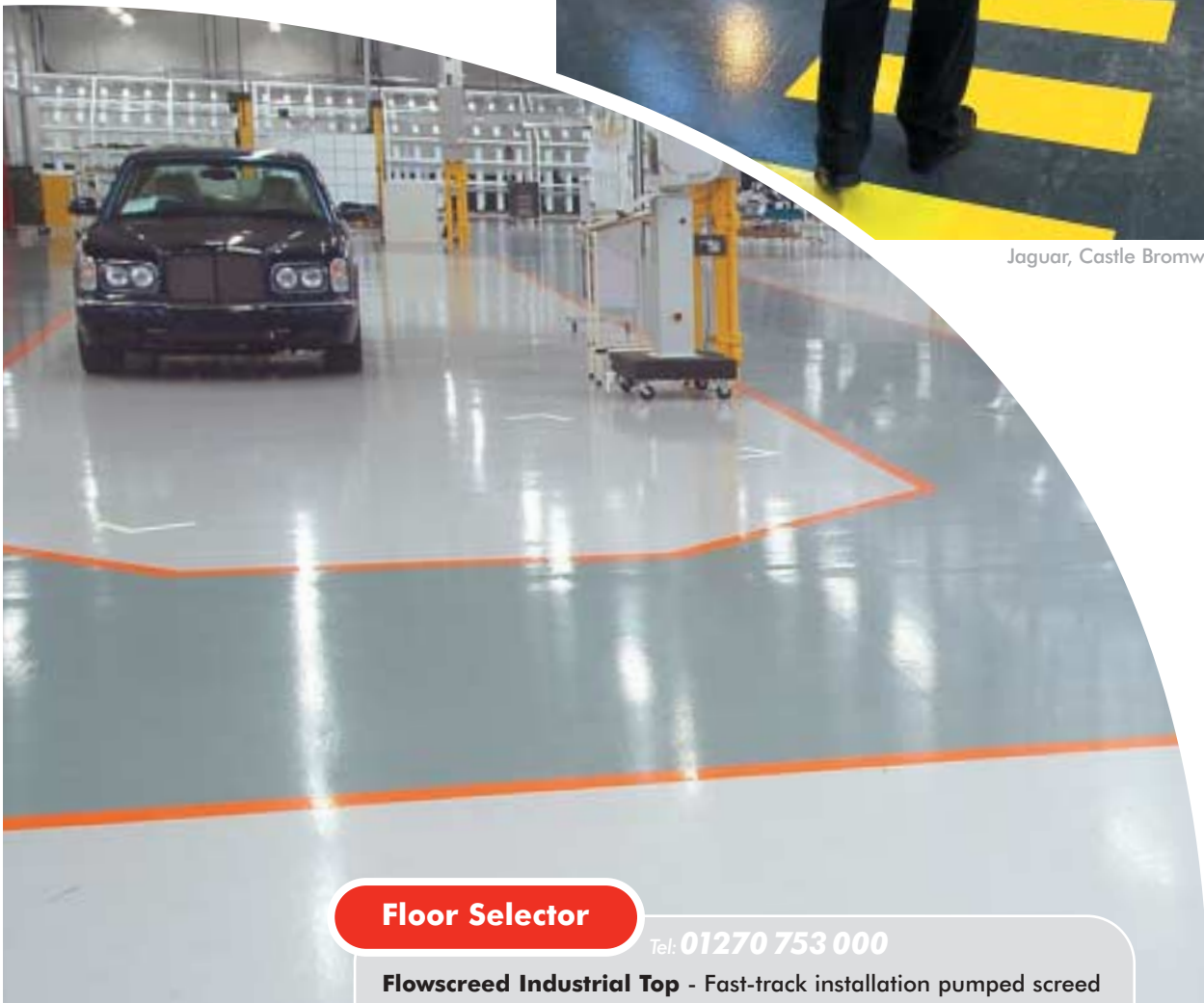
Our time-proven system - comprising of cement based pumped screed Flowscreed Industrial Top and the high performance chemical resistant coating Flowcoat SF41 - provides the level best in flooring for this sector - offering durability, slip-resistance and exceptional aesthetic qualities.

The flooring system can be installed to pinpoint accuracy to ensure a level surface is in place for sensitive robotic machinery to operate.

In more sensitive areas, where static-electricity can build-up, our Peran ESD SL creates a safer, anti-static environment.



Jaguar, Castle Bromwich and Halewood



Bentley Motors, Crewe

Floor Selector

Tel: 01270 753 000

Flowscreed Industrial Top - Fast-track installation pumped screed

Flowcoat SF41 - High Performance Coating

Peran ESD SL - Seamless resin flooring that combats static

Our experience in flooring the aviation and aerospace sectors has been finely tuned over the years to enable us to provide effective flooring solutions that measure up to the unique needs of these environments



RAF Cottesmore

The hangar is part of the facility's one-stop, full service centre which includes flight planning, computerised weather, conference room, pilot lounge and refreshments. It is one of the busiest fixed based operations outside of the USA, with in excess of 13,000 air traffic movements annually.

Flowcoat TL was chosen for the hangar area due to its hard-wearing, durable and easy-to-clean finish. The new flooring system was applied under a phased programme to ensure minimal disruptions to the operations of the hangar.

Taking off with the RAF

An anti-static system has been installed across 4,000 square metres in the maintenance zone at RAF Cottesmore, home to the Harrier fast jet.

Floor Selector

Tel. 01270 753 000

Flowscreed Industrial Top - Fast-installation pumped screed

Flowcoat SF41 - High Performance Coating

Peran ESD SL - Seamless resin flooring that combats static

Airbus, the RAF and Signature Aviation are just some of the clients who have acquired fit-for-purpose Flowcrete floors. Our systems include Flowcoat SK, which is resistant to Skydrol. Anti-static floor finishes are also available.

A Signature Floor

A Flowcrete floor is creating the right impression at one of the UK's busiest business aviation centres.

More than 10,000 square metres of Flowcoat TL high-build coating has been installed in the hangar of Signature's London Luton fixed base operation.



Signature Aviation, London

A high-technology specification installed in the maintenance area dissipates any static charge and stands up to the spillage of Skydrol hydraulic fluid.

The floor also withstands the heavy demands of hoverair airbed movement system, which is used by the RAF's specialist team to manoeuvre aircraft at the site.



Airbus, Broughton

Peran ESD SL, an anti-static self-smoothing epoxy, was chosen for the project, in mid-grey. The product adheres to BS2050, has excellent chemical resistance and provides a hard-wearing surface. Flowcrete Flowcoat SF41, an easy clean, anti-slip epoxy coating was also installed along walkways and fire routes, in an eye-catching blue shade. The floor system was finished with yellow demarcation lines.

Hygienic Flooring

in Food Processing Areas - Floor Guide



Ensuring cleanliness and hygiene performance are crucial factors when it comes to flooring within the food processing industry. The ability to stand up to acids and chemicals also needed to be taken in to account - as well as thermal shock, the presence of liquids and impact resistance.

Here, Mark Greaves, Group Managing Director of Flowcrete, covers some of the most commonly asked questions about flooring in the food industry.

Cleanability

Different resin systems can withstand different cleaning regimes. Some systems can stand-up to high temperature steam cleaning but not all types of coatings can.

Anti-microbial flooring

Floor finishes are now available with the addition of anti-microbial additives, such as Flowcrete Flowfresh HF, which contains Ultra-Fresh®.

Chemical resistance

The food processing industry uses a range of chemicals, which need to be identified in the specification process to ensure the right floor is chosen for the job. Resin systems can provide excellent resistance and their tolerance is much higher than concrete.

Flowcrete floor takes the pressure in Hell's Kitchen II

Slip-resistance

Wet process areas need careful consideration to ensure an effective flooring system is installed. One of the most important factors in these environments is slip-resistance. This is achieved by the introduction of a coarser texture, created by aggregates in the floor system.

Impact resistance

Resins and fine aggregates can be used which are designed to take impact and create a robust and strong surface. This system is often called on for areas such as bottling plants, where glass can fall to the ground and chip the floor and expose the substrate.

A perfect finish

Often, coving, kerbing and drainage need to be considered as part of the overall project. As well as the floor, wall coverings are available, which make light work of keeping a food processing area clean and fresh.

Top chefs Gary Rhodes and Christophe Novelli fought it out on floors designed to fit in with the ultra-modern surroundings of the London set.

A spokesman from the series said: "The floor performed exceptionally well throughout the show and coped with people running across it under pressure, as well as dropping pots, pans and hot liquids onto the floor surface. It also looked very attractive and the sheer speed of installation was exceptional."



Mark Greaves, Group Managing Director

Floor Selector

Tel: 01270 753 000

Flowfresh HF and MF - Heavy duty, easy to clean polyurethane resin

Flowfast Quartz - Fast track

The ability to resist aggressive chemicals, provide an anti-static environment and adhere to the unique requirements of the different areas of pharmaceutical manufacture are some of the major factors in the choice of pharmaceutical flooring. The product range available from Flowcrete offers effective solutions which satisfy these unique pharmaceutical industry requirements.

Our correct specification process ensures the right floor finishes are selected for different process areas, in compliance with GLP, GDP and GMP standards.

Flowcrete's manufacturing process is geared up to comply with the demanding standards the pharmaceutical industry requires - including the relevant BS and GMP standards.

Seamless Style

Flowcrete floors delivered the best in hygiene performance at Roche's state-of-the-art production centre in Argentina.

The installation of Mondéco Earth at the Roche plant, situated on the outskirts of Buenos Aires, included the fitting of coving between the floor and wall for the ultimate in a hygienic finish.



Roche, Buenos Aires

With an extensive track record supplying flooring solutions to the pharmaceutical industry, Flowcrete is well-placed to serve the growing needs of this important sector



Fight Against Static

Mondéco ESD Earth, the anti-static version of Mondéco seamless terrazzo was chosen after a stringent testing period at Astra Zeneca's tablet production plant in Macclesfield, near Manchester.

This version of Mondéco serves pharmaceutical production plants where electrostatic charges can build-up with the combination of a hard surface used by nylon wheeled trucks, busy human traffic and combustible powder processing, such as tablet production areas.

The greater the danger from a spark or electrical discharge the more conductive the floor should be. However, the lower the resistance of a floor the greater the risk there is of electrocution from a mains supply shock and this has to be balanced against the risk of a spark or static discharge.

At Astra Zeneca in Macclesfield, before the Mondéco surface was applied, a network of copper strips were laid over the subfloor to ensure effective discharge to earth.

Astra Zeneca also needed a floor free of crevices and hollows that provided a smooth, easy-to-clean surface which would not harbour dust or micro-organisms. It also needed to be impervious to the passage or penetration of moisture or compressed air, as well as being slip-resistant. This latter requirement was especially important as the floor was subject to heavy foot traffic, trolleys, powered pallet trucks and Hovair air bearing equipment.

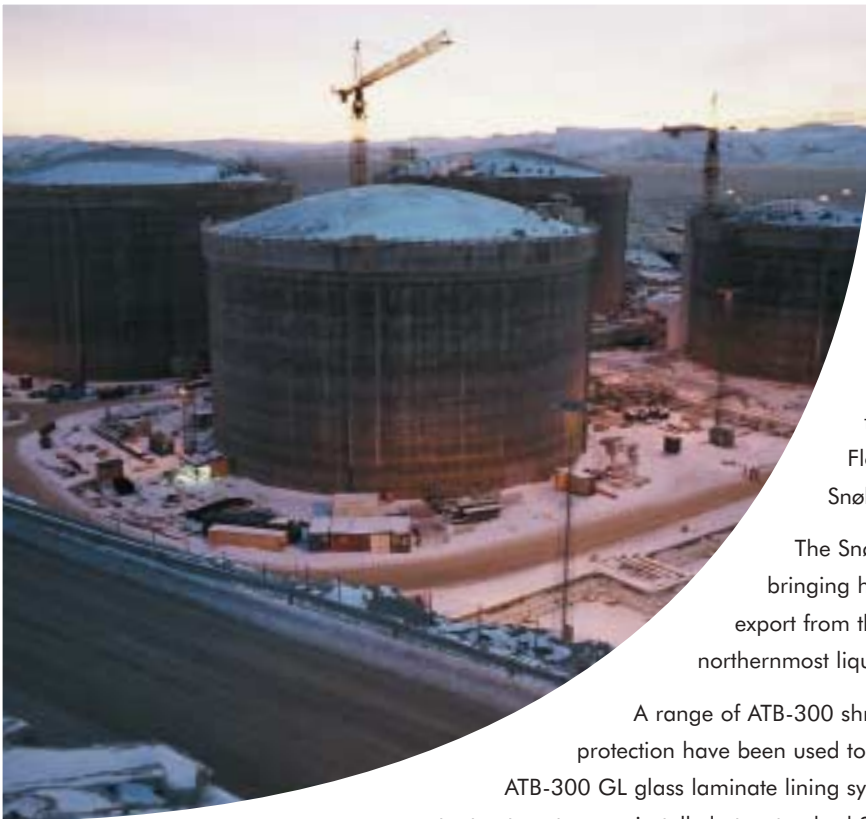
Floor Selector

Tel: 01270 753 000

Mondéco ESD Earth - Seamless anti-microbial terrazzo

Peran ESD SL - Self-levelling, seamless anti-static resin flooring

Peran STB - Seamless antimicrobial flooring with a decorative resin finish



Snøhvit, Barents Sea

For sectors such as printing, electronics and general manufacturing - from giant Blue Chip companies through to family-run businesses - our floors stand at the forefront of the industry.

Across the globe, Flowcrete's range of ATB 300® shrink-free vinyl ester flooring is recognised for its exceptional performance.

Corrosion Protection

Plunging temperatures and extreme weather failed to take their toll on a major installation project involving Flowcrete Corrosion Protection's ATB 300® products at Snøhvit, the first offshore development in the icy Barents Sea.

The Snøhvit (Norwegian for Snow White) project involves bringing huge volumes of natural gas to land for liquefaction and export from the first plant of its kind in Europe - and the world's northernmost liquefied natural gas (LNG) facility.

A range of ATB-300 shrink free vinyl ester systems from Flowcrete Corrosion protection have been used to protect and preserve 12 waste water storage tanks.

ATB-300 GL glass laminate lining system was used for all the walls in the underground waste water treatment areas, installed at a standard 2mm thickness.

Our flooring systems are used across a broad range of industries, offering the choice and versatility to ensure a system is installed that is fit-for-purpose

For the floor, the ATB-300 H-05 screed system has been applied at a thickness of 5mm. The ceiling of every tank has been covered with the ATB-300 RC roller coat system, installed at a thickness of 1mm.

A polished performance in electronics

A dynamic electronic manufacturing company turned to Flowcrete to help create an attractive and anti-static environment at their new high-technology plant.

For Invertek Drives new state-of-the-art facility in Welshpool, they wanted an anti-static floor capable of preventing damage to electronic components and sub assemblies caused by static electricity.

They also wanted it to promote a 'High technology facility' and reflect the fresh and innovative feel of the plant.

Charles Haspel, operations manager of Invertek Drives, said:

"We wanted an anti-static floor that fitted in with our ambition to develop a showcase manufacturing plant.

We export around 95 per cent of our output and, as a result, have a lot of overseas customers who often visit us and it is important we create the right impression.

The surroundings also help convey a message about how we operate, in a professional and clear manner.

The floor has lived up to our expectations and we are very pleased with the result."



Invertek, Welshpool

Floor Selector

Tel: 01270 753 000

The ATB 300 range, Flowshield

Peran ESD SL

Susan Neyland... the "welcoming" face of Flowcrete



Our fresh new look online takes the internet as a marketing tool into a new era.

We've introduced a section dedicated to the manufacturing sector, where flooring solutions can be identified, based on the specific needs of individual industries, including food, pharmaceutical, aerospace and automotive.

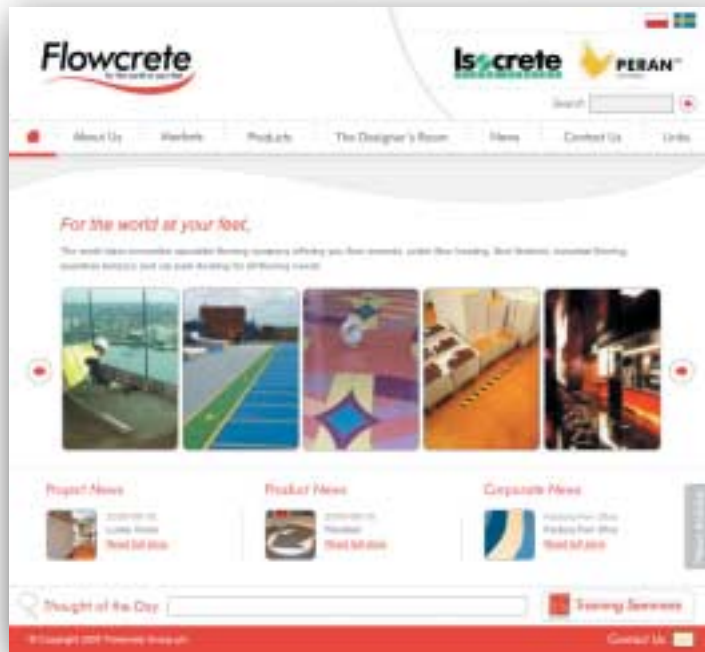
A 'Designer's Room' is also available online, where different colours can be placed on a 'virtual' floor to aid the selection process.

Our marketing department has also launched a series of new brochure for our industrial market, Corrosion Protection and Isowarm underfloor heating. A commercial flooring brochure is also now available. It can be downloaded online as a PDF document or copies ordered at www.flowcrete.com

Flowcrete floors - *The World at Your Feet*



The Designer's Room
enabling you to
visualise your floor



...now at your finger tips



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