



► Seamless, static control, durable flooring solutions for today's...

DATA CENTRES

www.flowcretepacific.com



WHERE PERFORMANCE

MEETS PROTECTION

FOR DATA CENTRES

Engineered flooring solutions to protect your data, equipment, and uptime.

Don't Let Static Disrupt Your Data Centre

In data centres, the floor is a vital element that safeguards your sensitive, high-value equipment and ensures optimal operational performance. A major threat to data centre integrity is Electrostatic Discharge (ESD), which is why addressing this critical challenge is essential.

ESD occurs when a static electrical charge suddenly discharges upon contact with a conductive surface. This brief but powerful surge can harm sensitive electronics, causing expensive downtime and data loss. Static generated during routine activities is the cause of ESD events. Common sources include people walking, moving trolleys, plastic items and dry air.

The table below illustrates the typical electrostatic charge (voltage) generated by common activities.

Source	Static voltage
Walking on carpet	Up to 35,000V
Walking on vinyl/ PVC floor	Up to 12,000 V
Worker at workstation	Up to 6,000 V
Safe for electronic devices	<100 V

Damage to modern electronic devices and components is a silent threat. Many sensitive parts can be damaged by electrostatic charges as low as the 100V threshold without anyone noticing.

Why ESD Control Matters?

The solution to preventing ESD is creating a controlled Electrostatic Protected Area (EPA) with Flowcrete's special antistatic resin flooring. This seamless floor quickly and safely dissipates static charges to ground, protecting sensitive equipment and ensuring reliable operations.

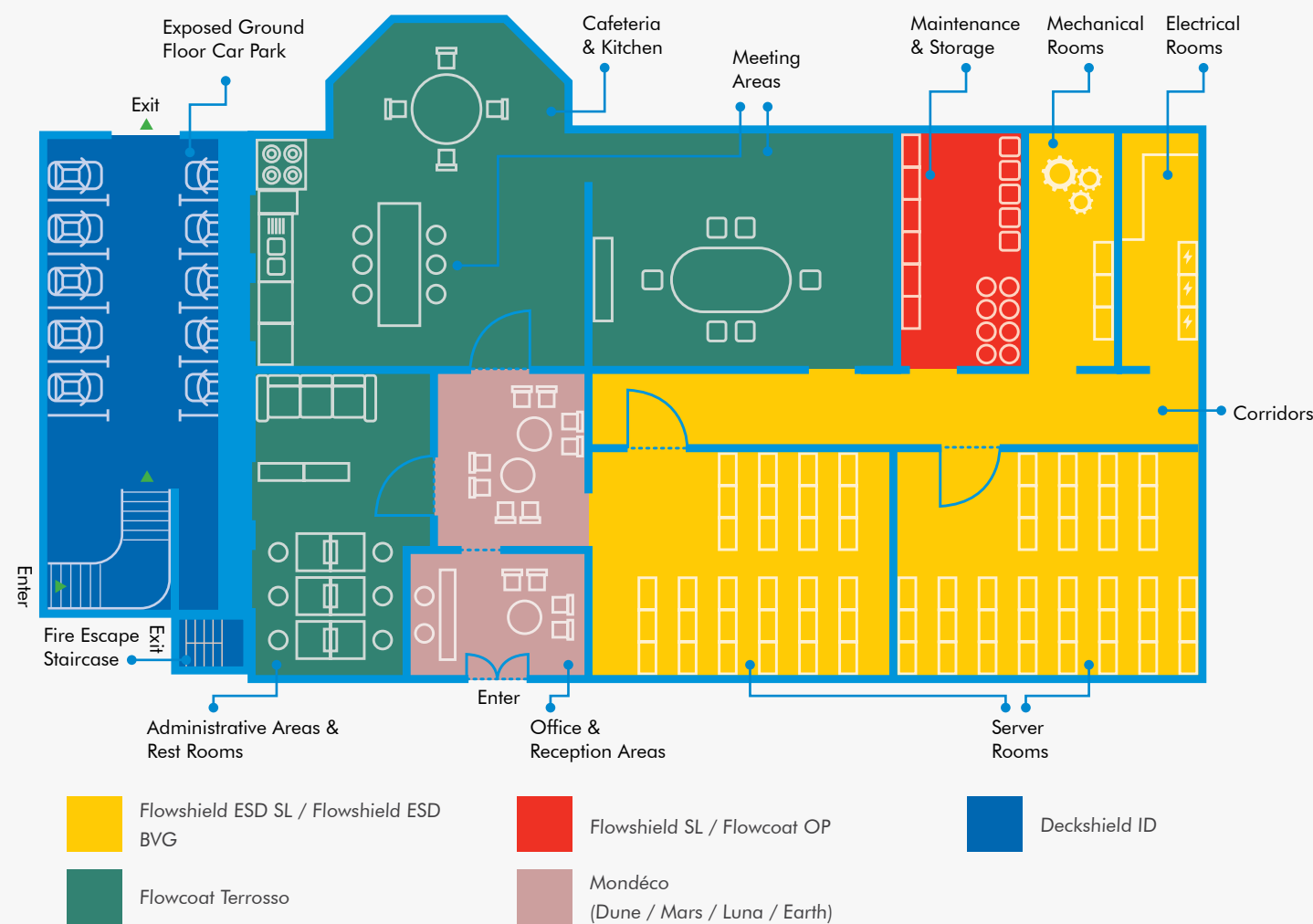
Manufactured in ISO-certified plants, Flowcrete's resin floors deliver consistent quality with durable, easy-to-clean, static-control surfaces ideal for data centres.

Flowshield ESD BVG: Next-Generation ESD Protection

Flowshield ESD BVG offers advanced ESD protection using carbon nanotube technology that meets ANSI/ESD S20.20, ASTM F150 Dissipative, and EN 61340-5-1 and EN 61340-4-5. It features a smooth, non-fibre finish and available in light colours. The CSM (clean room suitable material) system supports cleanroom requirements in line with ISO 14644 and contributes to maintaining low VOC levels. This flooring is chemical and wear-resistant and provides a long-lasting, attractive, and safe solution for sensitive electronic environments.



Where To Use Flowcrete Flooring Systems In Your Data Centre (By Floor Zones)



Flowcrete Flooring Systems Summary

	THICKNESS	TYPE	DESCRIPTION
Flowshield ESD BVG	2mm	Epoxy	An anti-static, self-smoothing epoxy floor coating with carbon nano tube technology that complies with a variety of electrical conductivity requirements.
Flowshield ESD SL	2mm	Epoxy	Anti-static, hard-wearing, abrasion-resistant, self-smoothing gloss finish resin flooring system. Meets EN IEC 61340-5-1 anti-static standard requirements.
Flowshield SL	2-3mm	Epoxy	A high-gloss, self-smoothing epoxy floor finish that is compliant with CSM® requirements.
Flowcoat OP	0.3-1.5mm	Epoxy	A high performance, solvent free, epoxy floor coating system designed to create a uniform "Orange Peel" surface texture.
Flowcoat Terrosso	Dependent on specification	Epoxy	A decorative scattered flakes, epoxy resin terrazzo floor finish.
Mondéco (Dune / Mars / Luna / Earth)	min. 6 mm	Epoxy	A highly decorative, solvent free, epoxy resin terrazzo floor finish.
Deckshield ID	Dependent on specification	Polyurethane	A technically advanced polyurethane based dissipating moisture barrier traffic coating system

System Design



- 1 Flowprime
- 2 Flowcoat SC (for 2mm+ systems) Earthed Copper Tape Conductive Circuit
- 3 Flowprime ESD Conductive
- 4 Flowshield ESD BVG

Flowshield ESD BVG (2mm)



A fibre-free antistatic, self-smoothing epoxy floor coating based on nanotechnology, compliant with electrical conductivity requirements.

For use in medium to heavy duty traffic areas where conductive ESD standards are required.

- Static Control & Protection.
- Meets ANSI/ESD S2020, EN 61340-5-1 and EN 61340-4-5 requirements.
- Hard-wearing & abrasion resistant suitable for medium to heavy traffic.

Flowshield ESD SL (2mm)

System Design

Anti-static, hard-wearing, abrasion-resistant, self-smoothing gloss finish resin flooring system. Meets EN IEC 61340-5-1 anti-static standard requirements.

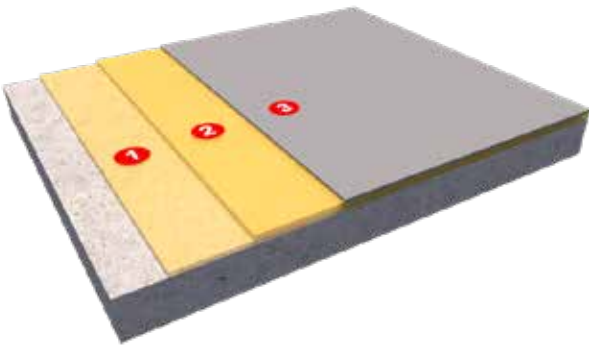
Typically used in sensitive environments such as electronic, laboratory, defence, and cleanroom environments.

- Attractive, enhances work environment
- Meets EN IEC 61340-5-1 anti-static standard requirements.
- Hygienic – easy to clean



- 1 Flowprime AU Earthed Copper Tape Conductive Circuit
- 2 Flowprime ESD Conductive
- 3 Flowshield ESD SL

System Design



- 1 Flowprime AU
- 2 Flowprime AU
- 3 Flowshield SL

Flowshield SL
(2–3mm)

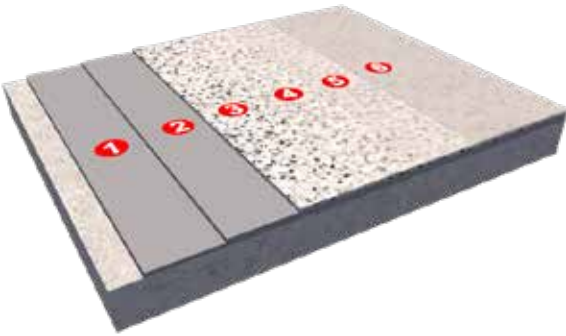


A high-gloss, self-smoothing epoxy floor finish that is compliant with CSM® (Cleanroom Suitable Materials) requirements.

Typical uses include cleanrooms, laboratories, warehouses and storage areas.

- Low VOC. Improve indoor air quality.
- Hard-wearing & abrasion resistant suitable for medium and heavy traffic environment.
- Seamless and high-gloss finish allows the system to be cleaned easily.

System Design



- 1 Flowcoat OP
- 2 Flowcoat OP
- 3 Terroso Flake
- 4 Satin Seal WB/Flowseal UV Satin
- 5 Aggregate
- 6 Satin Seal WB/Flowseal UV Satin

Note: Fast curing options available depending on the project environment.

Flowcoat Terroso

An epoxy resin floor finish that contains varying sizes of flakes scattered over a pigmented base coat and finished with a clear sealer.

Ideal for use in commercial settings such as retail showrooms, designer outlets and offices.

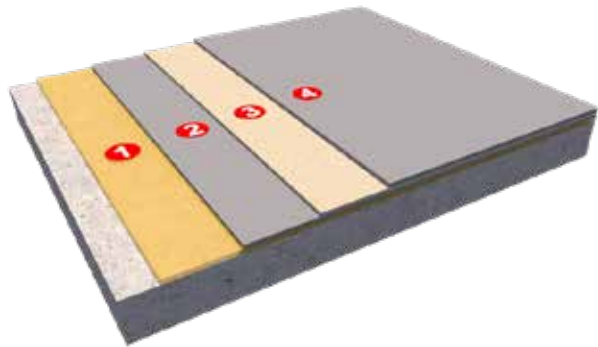
- A decorative floor finish that is available in a range of colour combinations.
- Speckled flake finish disguises visible surface scratches.
- The seamless finish allows the system to be easily cleaned.

Flowcoat OP
(0.3 - 1.5mm)

System Design

High performance, low VOC, epoxy resin coating system designed to create a uniform “Orange Peel” surface texture.

Typically used as a hard wearing, protective, coloured floor coating in industrial facilities.



- 1 Flowprime AU
- 2 Flowcoat OP
- 3 Slip Resistant Aggregate
- 4 Flowcoat OP

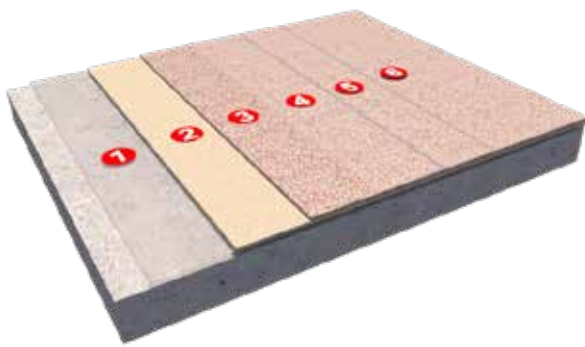
- Seamless and hygienic finish
- Chemical Resistant
- Abrasion Resistant

Mondéco
(Dune / Mars / Luna / Earth)

System Design

A highly decorative, solvent free, epoxy resin terrazzo floor finish which incorporates granite, marble or flint aggregates.

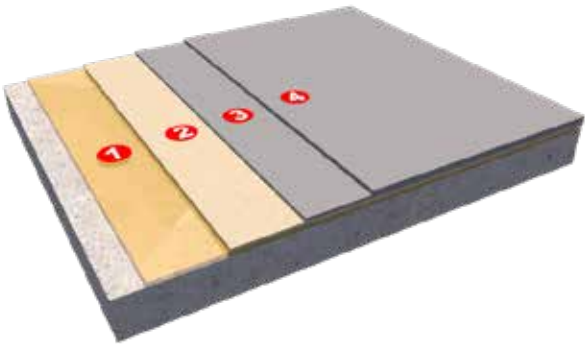
Suitable for public areas where high end aesthetics and durability are of key concern.



- A decorative, speckled floor finish that is available in a range of colours.
- Colours & patterns can be tailored to meet the clients design requirements.
- Solvent free, low in VOCs and environmentally friendly.

- 1 Flowprime AU
- 2 Natural Quartz 8/16 Mesh Scatter
- 3 Mondéco
- 4 Mondéco Grout
- 5 Thixogrout
- 6 Mondéco sealer / Flowseal UV Clear

System Design



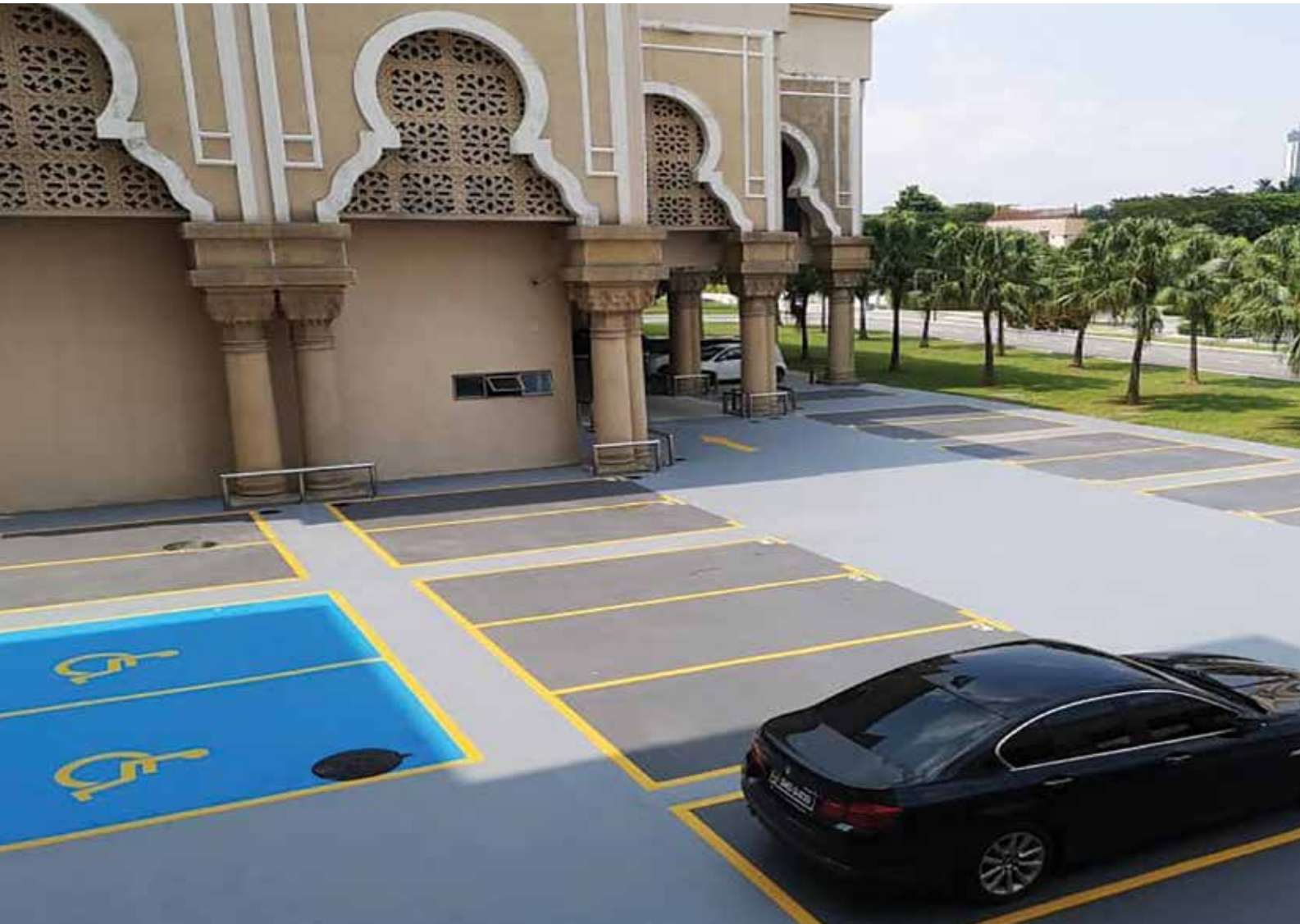
- 1 Flowprime AU
- 2 Flowprime AU + Non Slip Aggregate
- 3 Flowcoat OP
- 4 Deckshield UV/UV WB

Deckshield ID

A flexible polyurethane deck coating system that transforms intermediate decks of multi-storey parking structures.

Typically used to cosmetically enhance, protect and brighten internal car parks and stadiums.

- Environmentally Friendly
- Attractive
- Reduces Noise



TRUSTED BY LEADING BRANDS





Flowshield ESD BVG /
ESD SL Antistatic



Flowshield SL
Cleanroom Suitable Materials



Flowcoat OP
Seamless Finish



Flowcoat Terroso
Easy Clean



Deckshield ID
Antislip



Mondéco
Decorative

Flooring
Solutions for
EVERY space
and function

OUR COMMITMENT TO EXCELLENCE

At Flowcrete, we take pride in delivering flooring solutions that meet and exceed the highest international standards for quality, performance, safety, and sustainability. Every product is the result of our dedication to innovation, precision, and environmental responsibility.

Certifications & Standards:

- ISO 9001:2015 – Certified Quality Management System
- ISO 14001:2015 – Environmental Management System
- ISO 45001: 2018 - Occupational Health and Safety Management Systems
- ANSI/ESD S20.20, EN 61340-5-1 and EN 61340-4-5 – Performance tested for ESD flooring
- CSM – Certified Cleanroom Suitable Materials
- VOC Compliant / Singapore Green Building Product certified – Low-emission, environmentally responsible products



Trusted Worldwide • Certified for Quality • Committed to Sustainability

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