

Flowcrete
for the world at your feet



► Low VOC, anti-static, chemically and mechanically robust flooring solutions for...

SEMICONDUCTOR ENVIRONMENTS

www.flowcreteasia.com

BUILT FOR ZERO-COMPROMISE

FOR SEMICONDUCTOR MANUFACTURING

Unmatched resistance to static, chemicals, and mechanical stress — engineered for semiconductor manufacturing environments.



Flooring That Safeguards Every Micron of Your Production

Designed for cleanrooms, production areas, product packaging, chemical storage areas, utility rooms and warehouses. Flowcrete resin flooring supports contamination control and operational safety, making it essential for maintaining quality and reliability in semiconductor production facilities.

Non-compliant flooring can lead to costly operational disruptions, product contamination and safety hazards. Using unsuitable flooring materials increases the risk of static discharge, chemical damage, all of which threaten product integrity and worker safety. Facility owners and businesses may face potential financial losses, production downtime and reputational damage when flooring fails to meet strict industry standards.

How We Can Help

Our advanced Flowcrete resin flooring system is specifically developed to mitigate these risks and deliver superior performance across various working zones with different requirements. Protecting against static discharge, chemical attack, and contaminants.

Key benefits include:

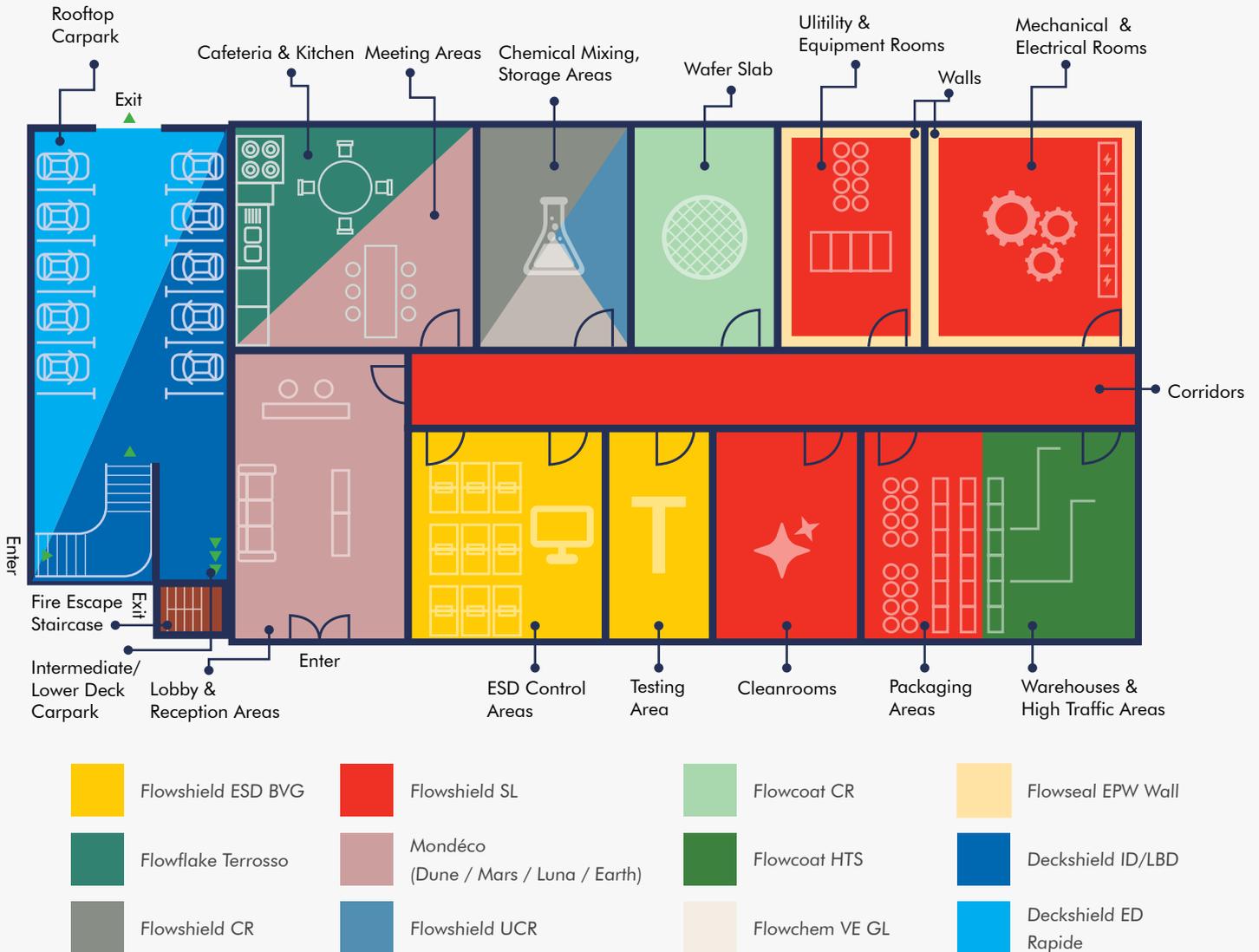
- Low VOC emissions to support clean air quality, essential for contamination control.
- Smooth, seamless surface without grout lines, preventing dirt buildup and enabling quick cleaning.
- Electrostatic discharge (ESD) protection to safeguard sensitive components from damaging static electricity.
- High chemical resistance offers durability against corrosive spills commonly used in semiconductor processing.
- Heavy-duty strength designed to withstand machinery loads, foot traffic and equipment movement without wear or tear.



By investing in a suitable and reliable flooring solution, you ensure compliance with industry standards, protect your valuable assets and create a safe, efficient work environment.

Secure your facility's future today with our comprehensive semiconductor flooring system that delivers safety, cleanliness and resilience.

Where To Use Flowcrete Flooring Systems In Your Semiconductor Plant (By Floor Zones)

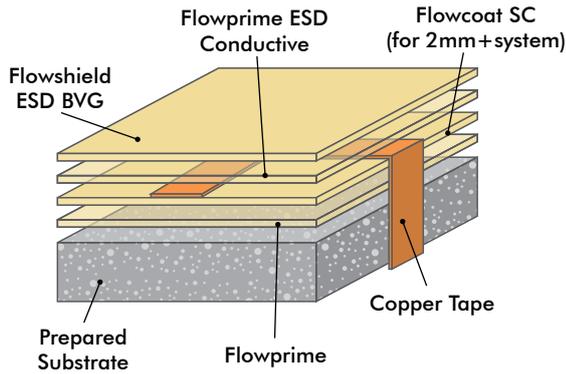


Product Selector

AREA	KEY REQUIREMENTS	RECOMMENDED FLOWCRETE FLOORING SYSTEMS
Cleanrooms	Low VOC, smooth, easy to clean	Flowshield SL
ESD (Electro Static Discharge) Control Areas	Low VOC, smooth, easy to clean and ESD Safe	Flowshield ESD BVG
Walls,Ceilings and Soffits	Low VOC, smooth, non dusty surface	Flowseal EPW Wall
Wafer Slab	Low VOC, smooth, non dusty surface and chemical resistant	Flowcoat CR
Ulility & Equipment Rooms	Low VOC, Oil resistant, easy to clean	Flowshield SL/ Flowseal EPW
Mechanical & Electrical Rooms	Low VOC, Oil resistant, easy to clean	Flowshield SL/ Flowseal EPW
Packaging Areas	Low VOC, smooth, easy to clean	Flowshield SL
Testing Area	Low VOC, smooth, easy to clean and ESD Safe	Flowshield ESD BVG
Corridors	Low VOC, smooth, easy to clean	Flowshield SL
Warehouses & High Traffic Areas	High abrasion resistant, easy to clean	Flowcoat HTS
Chemical Mixing, Storage Areas & Drainages	High chemical resistant, heavy duty, easy to clean	Flowshield CR/ Flowshield UCR/ Flowchem VE GL
Waste Water Treatment Plant	High chemical resistant lining	Flowchem VE GL
Gowning / Ante Room	Low VOC, smooth, easy to clean	Flowshield SL
Receptionist/ Lobby	Highly decorative seamless epoxy terrazzo floor	Mondeco
Cafeteria	Highly deocrative seamless epoxy terrazzo floor/ colour flake system	Mondeco/ Flowflake Terrosso
Rooftop Carpark	High performance, waterproof, PUMA carpark flooring	Deckshield ED Rapide
Intermediate/ Lower Deck Carpark	High performance polyurethane carpark flooring	Deckshield ID/LBD



System Design



**The applied colours may differ slightly from the examples shown above. Contact our customer services for a true colour sample or a special colour match.

Flowshield ESD BVG



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.

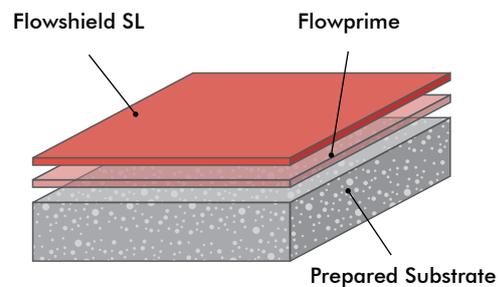


Hard-wearing & abrasion resistant suitable for medium to heavy traffic.

Flowshield SL (2–3mm)



System Design



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.

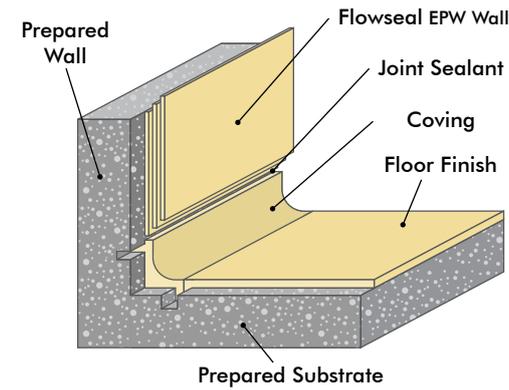


Seamless and high-gloss finish allows the system to be cleaned easily.



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Flowseal EPW Wall



A pigmented, water-based epoxy, hygienic wall sealer that is compliant to CSM® (Cleanroom Suitable Materials) requirements.

Suitable for walls in F&B processing plants, pharmaceutical cleanrooms, and hospitals.



Qualified under CSM test parameters for outgassing VOC behaviour.



The seamless finish allows the surface to be cleaned easily.



Vapour permeable and can be applied to damp substrates.

Flowcoat CR

A solvent free, chemical resistant epoxy coating system designed for use in processing & storage areas subject to chemical spillages.

Graded aggregate can be used to create a slip resistant profile if required.



Protects against a range of chemicals used in manufacturing processes.

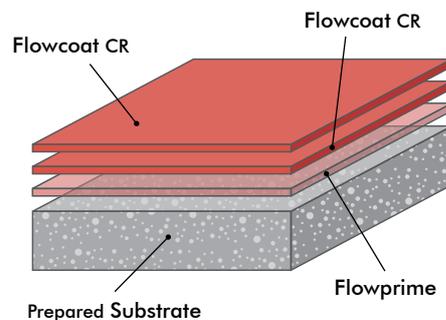


Solvent free, low in VOCs and environmentally friendly.



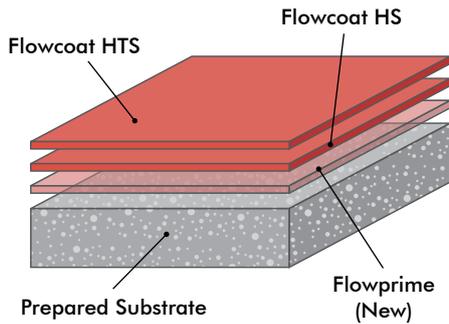
The seamless and gloss finish allows the system to be cleaned easily.

System Design



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Flowcoat HTS

A high performance, UV light stable, pigmented hybrid PU coating system with very high abrasion resistance.

Designed for environments with heavy traffic where abrasion resistance is essential.



Provides a high strength coating for high traffic isles and warehouses.



Protects against a range of chemicals used in manufacturing processes.



100% UV light stable and does not yellow over time.

Flowshield CR

(2-3 mm)

A highly chemical resistant, self-smoothing epoxy resin floor finish suitable for dry process areas subject to chemical spillages.

Typical uses include chemical storage areas, laboratories, warehouses and printing plants.



Protects against a range of chemicals used in manufacturing processes.

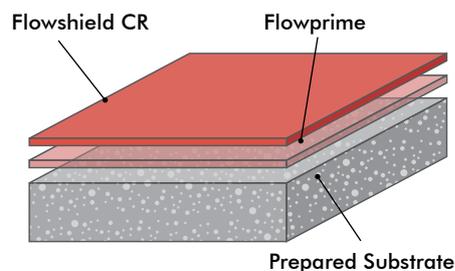


Meets the requirements set out by the USDA and FDA.



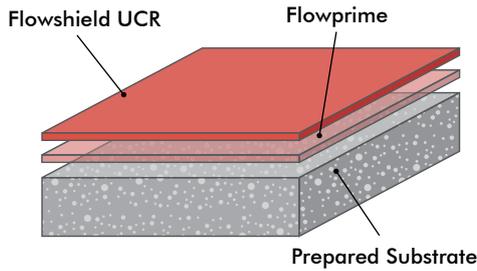
The seamless and gloss finish allows the system to be cleaned easily.

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Flowshield UCR

(2 mm)

A self smoothing novolac epoxy floor system that is hard wearing and has extremely high chemical resistance properties.

Typically used in pharmaceutical, electronic, aerospace, automotive and printing plants.



Extremely resistant to substances found in chemical storage areas.



Hard-wearing & abrasion resistant suitable for industrial facilities.



The seamless and gloss finish allows the system to be cleaned easily.

Flowchem VE GL

(1.5 - 3 mm)

A roller or spray applied vinyl ester, fibreglass reinforced coating system providing corrosion protection for concrete or steel structures.

For protection against aggressive chemicals, thermal and mechanical stress.



Resistant to extreme temperatures of up to 165°C.

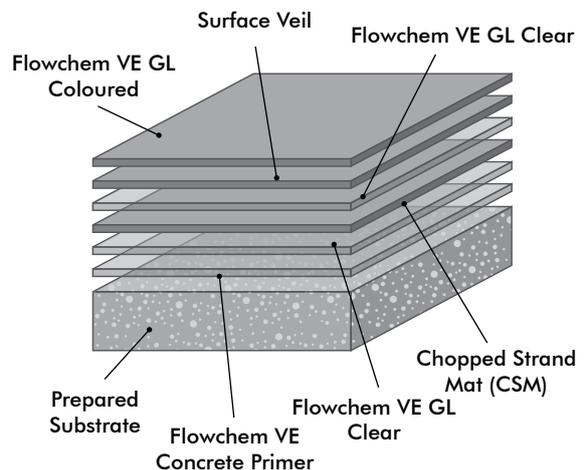


Protects against a wide range of aggressive chemicals.



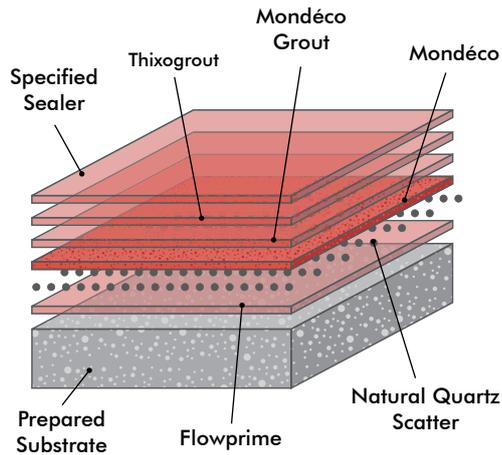
Fast track cure times reduce construction program times.

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System Design



Mondéco

(Dune / Mars / Luna / Earth)

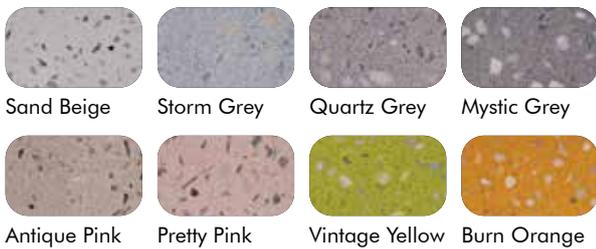
A highly decorative, solvent free, epoxy resin terrazzo floor finish which incorporates granite, marble or flint aggregates.

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

Mondéco Dune



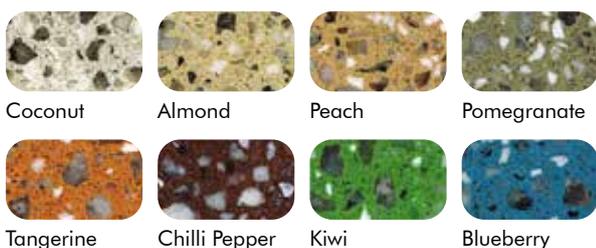
Mondéco Mars



Mondéco Luna



Mondéco Earth

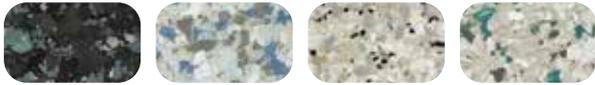
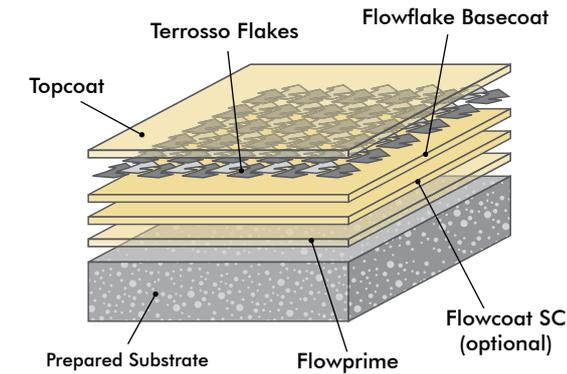


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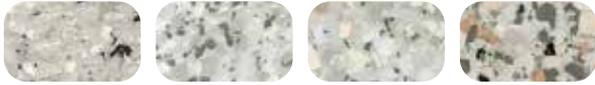
-  A decorative, speckled floor finish that is available in a range of colours.
-  Colours & patterns can be tailored to meet the clients design requirements.
-  Solvent free, low in VOCs and environmentally friendly.



System Design



Black Granite Glacier Seashell Frosty



Grey Granite Moonlite Oyster Storm

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Flowflake 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.

Deckshield ED Rapide

An MMA traffic coating system designed to create a colourful, watertight, hard wearing surface for exposed car park decks.

Deckshield ED Rapide has been developed to enable very fast application times.



Dramatically reduces installations times due to a fast cure formulation.

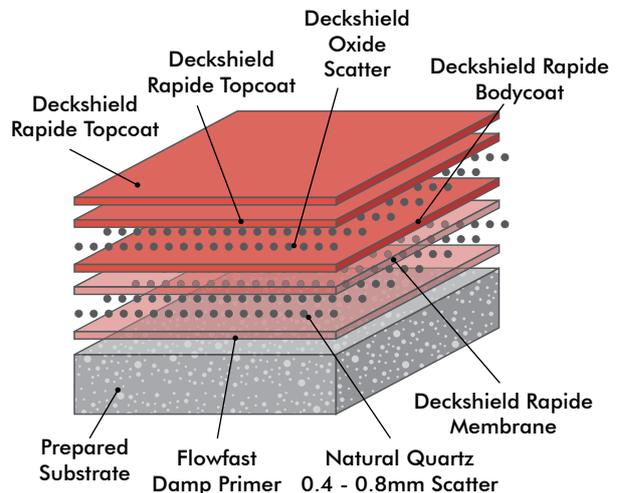


Brightens up dull, dark, musty car parks and suspended floors.



100% UV light stable and does not yellow over time.

System Design



Forest Green



Tile Red



Light Blue



Ocean Blue



Goosewing Grey



Warm Grey



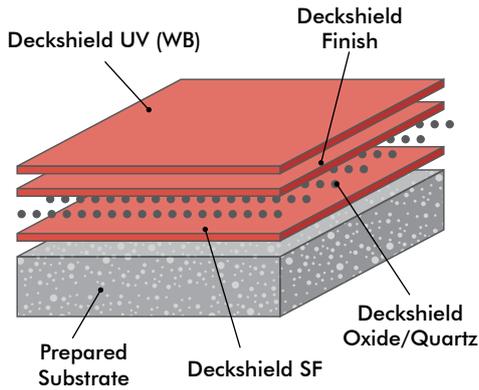
Dark Grey



Black

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Deckshield ID



A Green Label certified, low VOC, solvent free, flexible polyurethane traffic coating system for intermediate car parking levels.

Cosmetically enhances multi-storey car parks, making them brighter and safer places to visit.



Green Label Certified 032-089
Environmentally Preferred Coating



Brightens up dull, dark, musty car parks and suspended floors



Hard-wearing & abrasion resistant
suitable for regular vehicle traffic

Deckshield LBD

Deckshield LBD is a polyurethane traffic coating system that incorporates a technically advanced polyurethane based dissipating moisture barrier.

Ensures the controlled dissipation of moisture vapour at the lowest basement car park levels.



Slip-resistant & safe surface

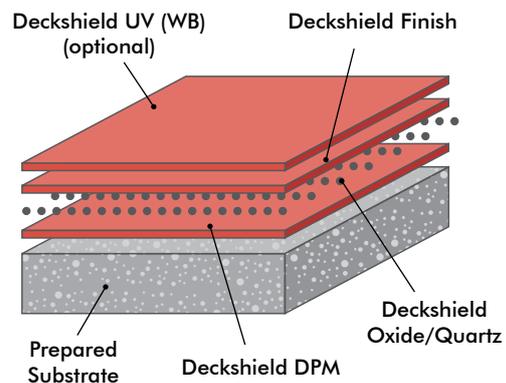


Attractive & clearly marked Finish



Durable & long-lasting

System Design



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TRUSTED BY LEADING BRANDS

 **APPLIED
MATERIALS**

Canon

Honeywell

 **neways**

Nitto

PLEXUS

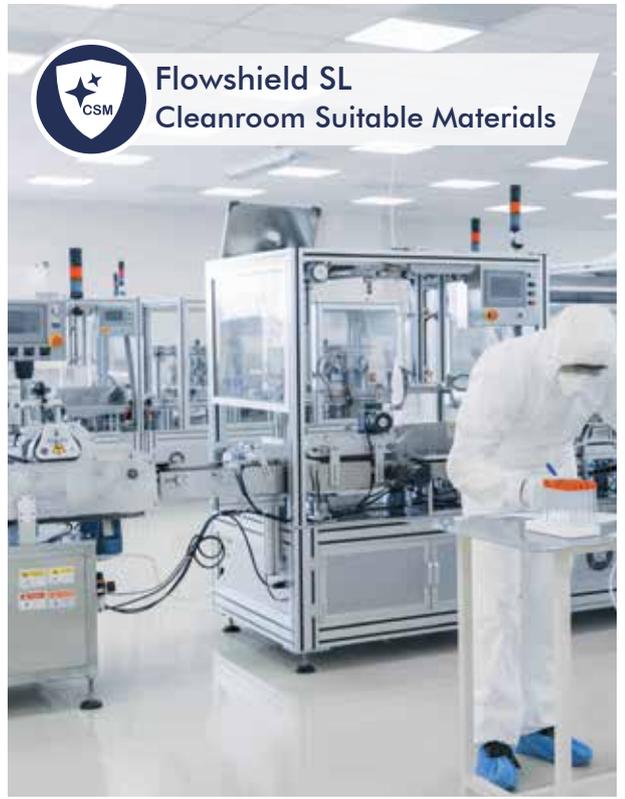
OSRAM

 **SEAGATE**

ViTrox



Flowshield SL
Cleanroom Suitable Materials



Flowshield ESD BVG
Antistatic

Flooring
Solutions for
EVERY space
and function



Flowshield CR/Flowshield
UCR/Flowchem VE GL
Chemical Resistant



Flowseal EPW Wall
Low VOC



Mondéco
Decorative



Flowcoat HTS
Abrasion Resistant

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

Flowcrete

for the world at your feet

Australia | China | Hong Kong | Indonesia | Japan | Macao | Malaysia | New Zealand
Philippines | Singapore | South Korea | Taiwan | Thailand | Vietnam



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