

Flowcrete
for the world at your feet



LOW-EMISSION FLOORING

Family of solvent-free epoxy flooring systems that combine high performance and aesthetic finish with very low VOC emissions to support sustainable and environmentally friendly Green Building approach.

LOW-EMISSION FLOORING RANGE



A floor must not only be able to support heavy loads or resist spills, but it must also not impair the room's air quality. The short or long-term release of volatile organic compounds (VOCs) can pollute the air in the room and be unhealthy.

In order to minimise this effect, comprehensive range of low VOC-tested systems has been developed that meet legislative regulations like AgBB, French VOC-label or Belgian Royal Degree and voluntary EU labels and specifications such as BREAM, LEED, M1 and other and other sustainability schemes brought together by Indoor Air Comfort Gold label.

We provide a wide variety of epoxy-resin coatings in our systems in addition to water-based coatings, both of which have received general technical clearance. So that all requirements may be taken into account and the building owner receives the system most suited to their demands, this enhances flexibility even during the planning process.

They have a far smaller environmental impact than many other varieties of covering because of these characteristics. Users and investors can feel confident in the sustainability of a product or service thanks to corresponding national and international declarations of compliance.

Application Suitability



Production & Processing Areas



Manufacturing Industry



Schools & Universities



Hospitals & Healthcare



Pharmaceutical



Retail Environments

We spend **90%** of our day indoors



Benefits of Low-Emission Systems



Environmentally Friendly

Reduce the carbon footprint since adhesives and sealants are not required when installed.



Comfortable

Improve indoor air quality with the lowest possible emissions.



Health & Safety

Improve health and safety conditions of the applicator during the flooring installation.



UV Resistant

Much more UV-stable than standard market solutions. They will resist colour changes better, even in well-sunlit interiors.

Contributing to Sustainable Construction

Aware of the impact that buildings have on our comfort, health and well-being, Tremco CPG UK is committed to developing solutions that enable the industry to design and construct sustainable buildings that improve user comfort through the eco-design of complete building solutions.

In recent years, the importance of buildings for our health has become particularly evident. We spend approximately 90% of our time indoors, so it is not surprising that the buildings in which we live, work or enjoy every day have a significant impact on our comfort, health and well-being.

Flowcrete's new low-emission flooring range has been certified by EUROFINS achieving the highest qualification with the IAC GOLD seal which demonstrates the product's compliance with the criteria related to low-emissions of volatile organic compounds (VOC) established in Europe at two levels: the Standard for emission compliance with the criteria and specifications of the EU and its member states and the Gold version which also adds the certifications of sustainable buildings and the best emission class.

Combining high performance and aesthetics of solvent-free epoxy flooring together with Low VOC Emissions enables us to provide more sustainable and environmental-friendly solutions designed for all types of sectors and needs: offices, shops, sanitary facilities, cinemas, educational centres or even industry thanks to their thermal, mechanical, chemical and impact resistance properties, etc.

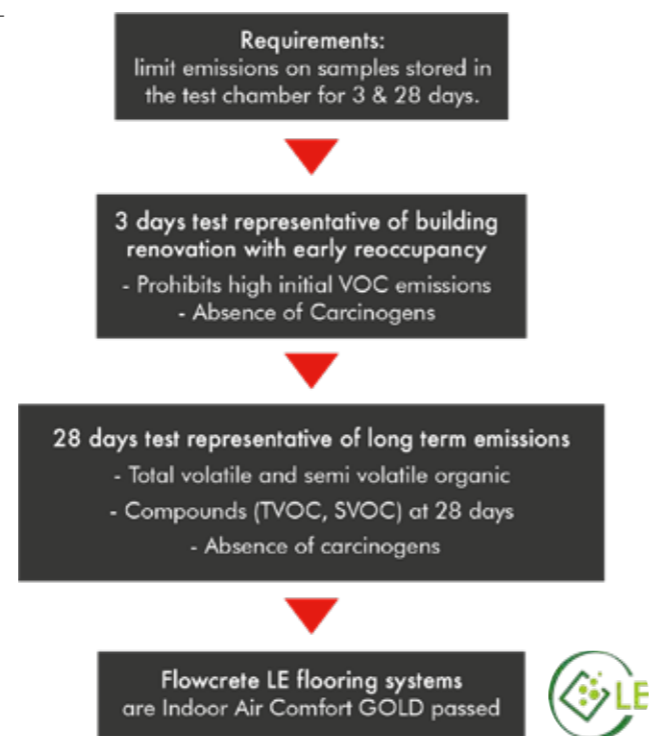
Protecting the Air

Flowcrete LE flooring systems passed the highly demanding emission tests to Eurofins that follow the latest requirements.

Systems included:

Flowcoat SF41 LE Peran STB Public
Flowcoat SF41 LE SR Peran STB Public SR
Flowcoat SF41 LE HD Rustik LE
Peran SL LE

They have also passed many other requirements including: M1, AGB/AgBB, French VOC Regulation and French CMR.



Indoor Air Comfort and Indoor Air Comfort GOLD

Product Certification

Your best guarantee that your product complies with low product emissions regulations is the Eurofins Indoor Air Comfort (Gold) certification. Additionally, it demonstrates your company's commitment to quality and support of a safe indoor environment.

Eurofins "Indoor Air Comfort" (IAC) product certification is a well-established tool to show compliance of a product with low VOC emissions criteria set out in Europe on two levels:

1. Standard level Indoor Air Comfort

Certified product shows compliance of product emissions with the criteria of all legal specifications issued by authorities in the European Union and its Member States.

2. Higher level Indoor Air Comfort GOLD

Certified product shows additional compliance of product emissions with the criteria of many of the voluntary specifications issued by most relevant ecolabels and similar specifications in the EU and requirements for sustainable building certifications. Therefore, certified products are those with the best-in-class low emissions, thus good for indoor air quality. This certification helps to promote low emitting products and shows compliance with all relevant VOC-related requirements in Europe (governmental and voluntary). Indoor Air Comfort Gold certificates are directly accepted as proof from programs for sustainable buildings like BREEAM international and LEED.

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Flowcoat SF41 LE (0.5 mm)

Pigmented, high-performance, solvent-free epoxy coating with enhanced UV resistance and low VOC emissions.

Ideal for dry manufacturing and processing areas and technical rooms, subject to light foot and wheeled traffic.

-  **Low Maintenance**
-  **Chemical Resistance**
-  **UV Resistant**
-  **Sustainable**

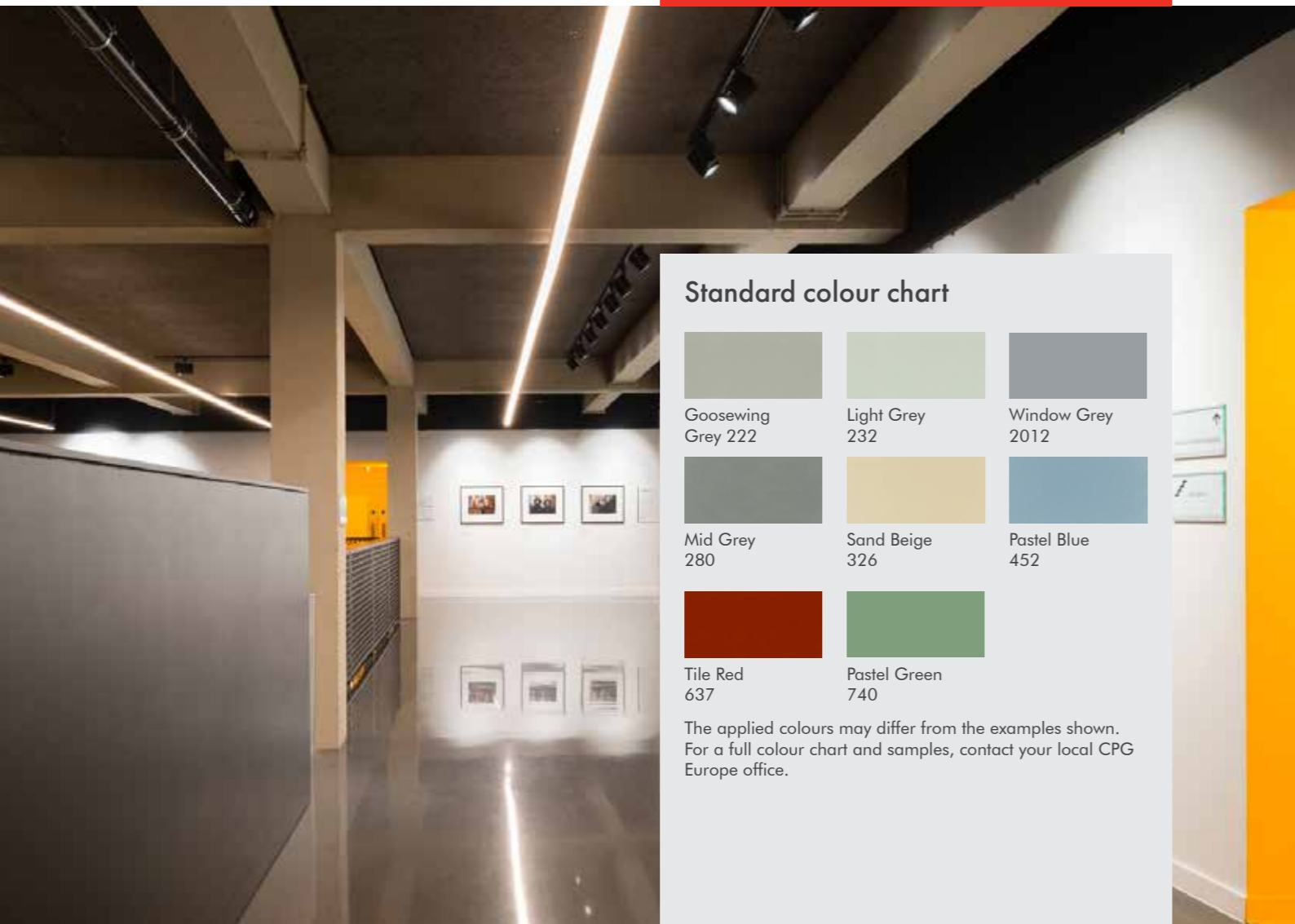
Technical Information

FIRE RESISTANCE	
EN 13501-1	B _{fl} -s1
WEAR RESISTANCE	
EN 13892-4	AR0.5 (< 50µm)
BOND STRENGTH	
EN 13892-8	B2.0 (≥ 2 MPa)
SHORE D HARDNESS	
EN ISO 7619-1	D ≈ 80
IMPACT RESISTANCE	
EN ISO 6272	IR5 (5 Nm)
TEMPERATURE RESISTANCE	
Tolerant of sustained temperature up to 50°C	
VOC EMISSIONS COMPLIANCE	
Indoor Air Comfort GOLD: Pass M1: Pass AGB/AgBB: Pass BREEAM Int.: Exemplary Level	

Standard colour chart

		
Goosewing Grey 222	Light Grey 232	Window Grey 2012
		
Mid Grey 280	Sand Beige 326	Pastel Blue 452
		
Tile Red 637	Pastel Green 740	

The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local CPG Europe office.



Standard colour chart

		
Goosewing Grey 222	Light Grey 232	Window Grey 2012
		
Mid Grey 280	Sand Beige 326	Pastel Blue 452
		
Tile Red 637	Pastel Green 740	

The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local CPG Europe office.

Technical Information

FIRE RESISTANCE	
EN 13501-1	B _{fl} -s1
WEAR RESISTANCE	
EN 13892-4	AR0.5 (< 50µm)
BOND STRENGTH	
EN 13892-8	B2.0 (≥ 2 MPa)
SHORE D HARDNESS	
EN ISO 7619-1	D ≈ 80
IMPACT RESISTANCE	
EN ISO 6272	IR10 (10 Nm)
TEMPERATURE RESISTANCE	
Tolerant of sustained temperature up to 50°C	
VOC EMISSIONS COMPLIANCE	
Indoor Air Comfort GOLD: Pass M1: Pass AGB/AgBB: Pass BREEAM Int.: Exemplary Level	

Flowcoat SF41 LE SR (~1.0 mm)

Pigmented, high-performance, solvent-free epoxy anti-slip system with enhanced UV resistance and low VOC emissions.

Ideal for dry and wet manufacturing & processing areas, access corridors, interior walkways subject to light-medium foot & wheeled traffic.

-  **Chemical Resistance**
-  **UV Resistant**
-  **Slip Resistant**
-  **Sustainable**

Flowcoat SF41 LE HD (~2.5 - 3 mm)

Pigmented, heavy-duty, solvent free epoxy anti-slip low-VOC system with enhanced UV resistance.

Ideal for dry and wet manufacturing and processing areas and warehousing zones subject to medium-heavy foot and wheeled traffic.

 **Wear Maintenance**

 **Chemical Resistance**

 **Slip Resistance**

 **Sustainable**

Technical Information

FIRE RESISTANCE

EN 13501-1 B_{fl}-s1

WEAR RESISTANCE

EN 13892-4 AR0.5 (< 50µm)

BOND STRENGTH

EN 13892-8 B2.0 (≥ 2 MPa)

SHORE D HARDNESS

EN ISO 7619-1 D ≈ 80

IMPACT RESISTANCE

EN ISO 6272 IR15 (15 Nm)

TEMPERATURE RESISTANCE

Tolerant of sustained temperature up to 50°C

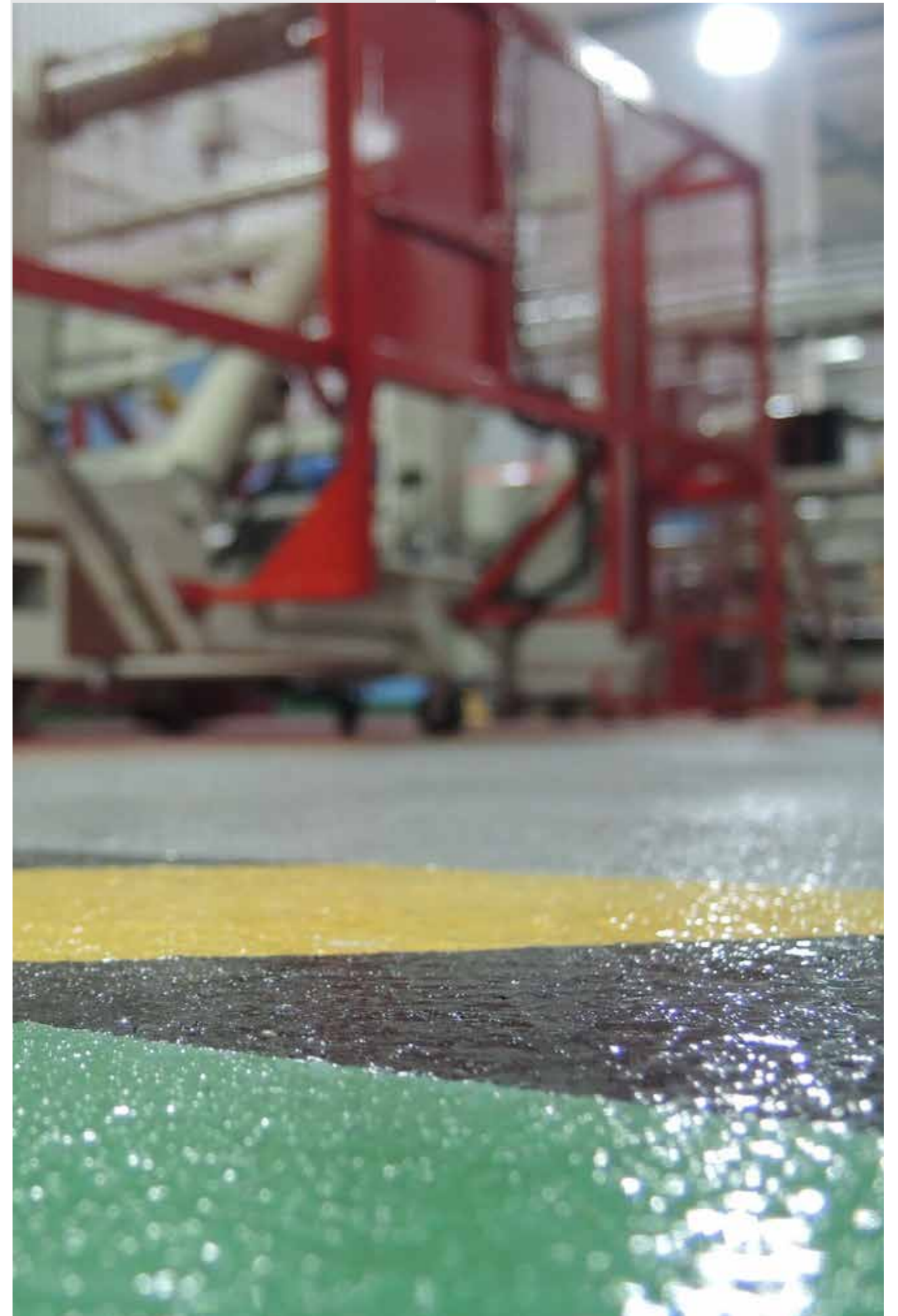
VOC EMISSIONS COMPLIANCE

Indoor Air Comfort GOLD: Pass
M1: Pass | AGB/AgBB: Pass | BREEAM Int.: Exemplary Level

Standard colour chart

		
Goosewing Grey 222	Light Grey 232	Window Grey 2012
		
Mid Grey 280	Sand Beige 326	Pastel Blue 452
		
Tile Red 637	Pastel Green 740	

The applied colours may differ from the examples shown.
For a full colour chart and samples, contact your local CPG Europe office.



Peran SL LE (2.4 mm)

A colourful, self-smoothing, low-VOC resin floor finish with a durable matt sealer.

Ideal for commercial environments with light-medium food and wheeled traffic, and also dry manufacturing and processing areas with high cleanliness requirements.

-  **Attractive**
-  **UV Resistant**
-  **Hygienic**
-  **Sustainable**

Technical Information

FIRE RESISTANCE	
EN 13501-1	B _{fl} -s1
IMPACT RESISTANCE	
EN ISO 6272	IR20 (20 Nm)
BOND STRENGTH	
EN 1542	B2.0 (≥ 2 MPa)
SHORE D HARDNESS	
EN ISO 7619-1	D ≈ 85
WEAR RESISTANCE	
EN 13892-4	AR0.5 (≤ 50 μm)
TEMPERATURE RESISTANCE	
Tolerant of sustained temperature up to 50°C	
VOC EMISSIONS COMPLIANCE	
Indoor Air Comfort GOLD: Pass M1: Pass AGB/AgBB: Pass BREEAM Int.: Exemplary Level	

Standard colour chart

		
Beige 101 Commercial	Biscuit 102 Commercial	Black 901 Commercial
		
Dark Grey 703 Commercial	Grass Green 601 Commercial	Light Grey 701 Commercial
		
Mid Blue 501 Commercial	Mid Grey 702 Commercial	
		
Blue 502 Industrial	Cream 103 Industrial	Green 602 Industrial
		
Grey 704 Industrial	Red 301 Industrial	Yellow 104 Industrial

The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local CPG Europe office.



Standard colour chart

		
Goosewing Grey 222	Light Grey 232	Window Grey 2012
		
Mid Grey 280	Sand Beige 326	Pastel Blue 452
		
Tile Red 637	Pastel Green 740	

The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local CPG Europe office.

Technical Information

FIRE RESISTANCE	
EN 13501-1	B _{fl} -s1
IMPACT RESISTANCE	
EN ISO 6272	IR20 (20 Nm)
BOND STRENGTH	
EN 13892-8	B2.0 (≥ 2MPa)
TEMPERATURE RESISTANCE	
Tolerant up to 70°C (intermittent) or 50°C (sustained)	
VOC EMISSIONS COMPLIANCE	
Indoor Air Comfort GOLD: Pass M1: Pass AGB/AgBB: Pass BREEAM Int.: Exemplary Level	

Peran STB Public (3 mm)

A colourful, self-smoothing, low-VOC resin floor finish with a durable matt sealer.

Ideal for commercial, residential environments and dry manufacturing and processing areas with medium-heavy foot and wheeled traffic.

-  **Attractive**
-  **Slip Resistant**
-  **High Mechanical Resistance**
-  **Sustainable**

Peran STB Public SR (3 mm)

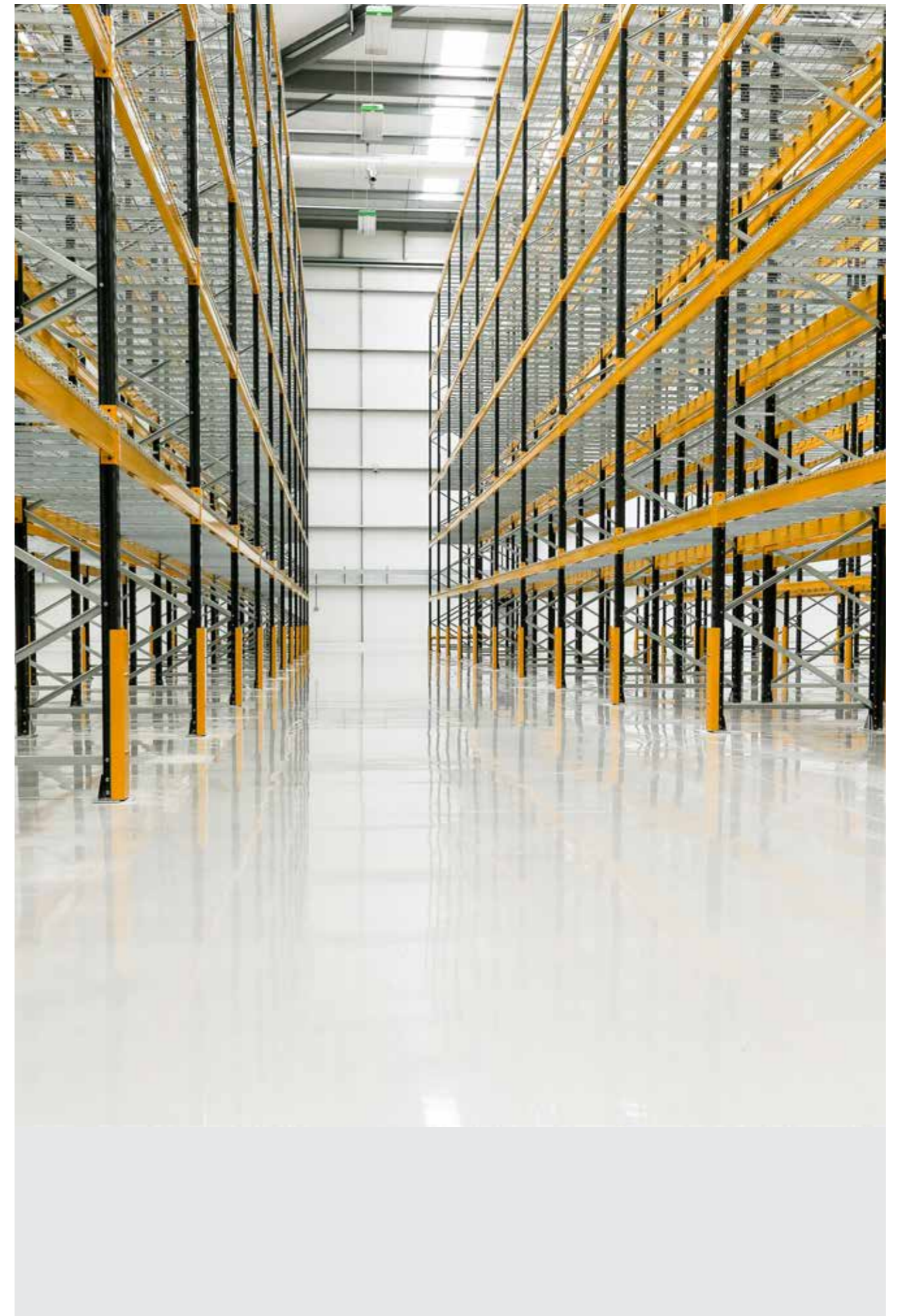
A hard wearing, colourful, decorative low-VOC flooring system with good resistance to UV light.

Ideal for commercial, residential environments and dry manufacturing and processing areas with light-medium foot and wheeled traffic.

-  **Anti-slip**
-  **High Mechanical Resistance**
-  **Attractive**
-  **Sustainable**

Technical Information

FIRE RESISTANCE	
13501-1	C _{fl} -s1
IMPACT RESISTANCE	
EN ISO 6272	IR20 (20 Nm)
BOND STRENGTH	
EN 13892-8	B2.0 (≥ 2 MPa)
WEAR RESISTANCE	
EN 13892-5	RWA10 (< 10 cm ³)
TEMPERATURE RESISTANCE	
Tolerates and withstands temperatures up to 50°C	
SLIP RESISTANCE	
EN 13036-4 (typical values for 4-S rubber slider)	Dry > 40 low slip potential
VOC EMISSIONS COMPLIANCE	
Indoor Air Comfort GOLD: Pass M1: Pass AGB/AgBB: Pass BREEAM Int.: Exemplary Level	



Standard colour chart

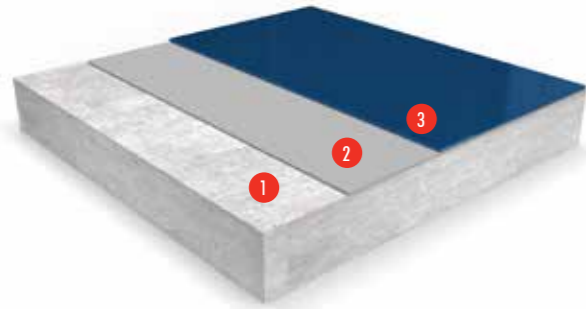
		
Beige 101 Commercial	Biscuit 102 Commercial	Black 901 Commercial
		
Dark Grey 703 Commercial	Grass Green 601 Commercial	Light Grey 701 Commercial
		
Mid Blue 501 Commercial	Mid Grey 702 Commercial	
		
Blue 502 Industrial	Cream 103 Industrial	Green 602 Industrial
		
Grey 704 Industrial	Red 301 Industrial	Yellow 104 Industrial

The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local CPG Europe office.



SYSTEM BUILD UPS

Flowcoat SF41 LE

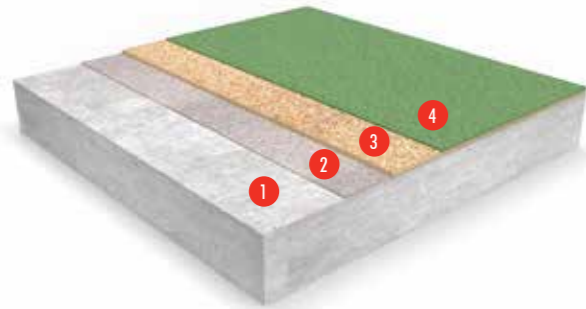


- 1 Prepared Substrate
- 2 Primer (if weak substrate)
- 3 Flowcoat SF41 LE (two coats)

APPLICATION AREA	Dry manufacturing and processing areas, technical rooms.
FINISH	Gloss
THICKNESS	~ 0.5 mm
DUTY	Low



Flowcoat SF41 LE HD

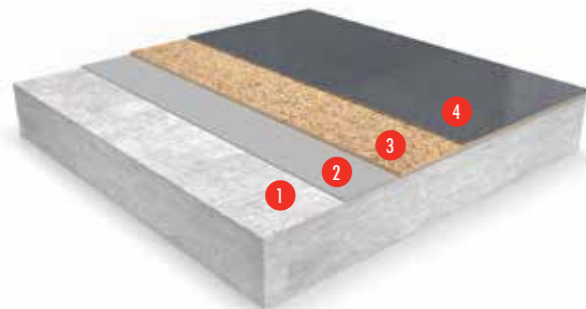


- 1 Prepared Substrate
- 2 Flowprime LE100, scattered quartz
- 3 Flowcoat SF41 LE, scattered Quartz
- 4 Flowcoat SF41 LE

APPLICATION AREA	Dry and wet manufacturing and processing areas, warehousing spaces, heavy equipment handling zones.
FINISH	Data
THICKNESS	~ 2.5 - 3 mm
DUTY	Medium-Heavy



Flowcoat SF41 LE SR

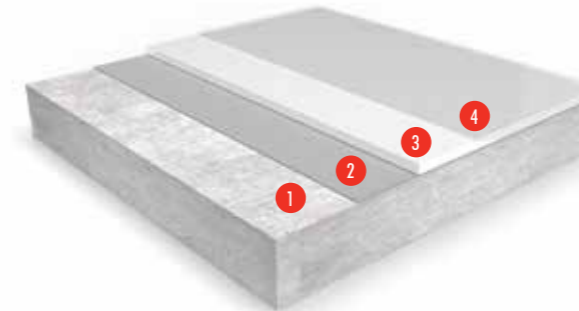


- 1 Prepared Substrate
- 2 Primer (if weak substrate)
- 3 Flowcoat SF41 LE, scattered Natural Quartz
- 4 Flowcoat SF41 LE

APPLICATION AREA	Dry and wet manufacturing and processing areas, staircases, access corridors, interior walkways.
FINISH	Gloss
THICKNESS	~ 1.0 mm
DUTY	Low-Medium



Peran SL LE

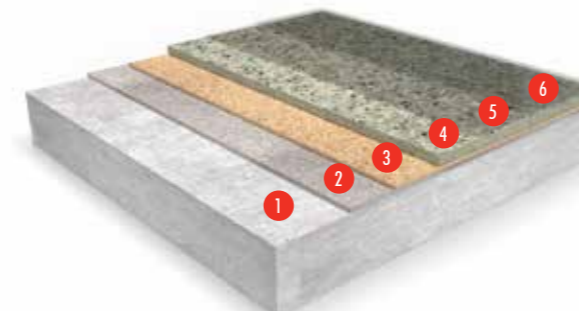


- 1 Prepared Substrate
- 2 Flowprime LE100 / Hydraseal DPM
- 3 Peran SL LE
- 4 Flowseal PU Matt (Ultra) / Flowseal PU Anti-Stain

APPLICATION AREA	Office zones, schools, hospitals and also dry manufacturing and processing areas with high cleanliness requirements.
FINISH	Matt
THICKNESS	2.4 mm
DUTY	Low-Medium



Peran STB Public

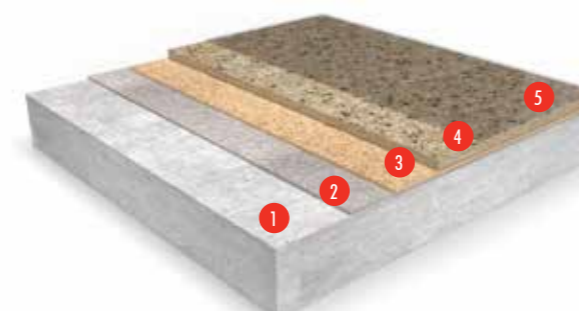


- 1 Prepared Substrate
- 2 Hydraseal DPM Natural
- 3 Scattered Natural Quartz
- 4 Peran STC LE + Peran Compact white + Coloured Quartz
- 5 Peran STC LE
- 6 Flowseal PU Matt (Ultra)

APPLICATION AREA	Public building main zones, laboratories, etc. Dry manufacturing, processing and heavy equipment handling zones.
FINISH	Matt
THICKNESS	~ 3 mm
DUTY	Medium-Heavy



Peran STB Public SR



- 1 Prepared Substrate
- 2 Hydraseal DPM Natural
- 3 Scattered Natural Quartz
- 4 Peran STC LE Structure + Peran Compact White, Scattered Coulered Quartz
- 5 Peran STC LE Structure

APPLICATION AREA	Office lobbies, public building main zones. Dry manufacturing and processing areas.
FINISH	Matt
THICKNESS	~ 3 mm
DUTY	Low-Medium



Technical Backup at a Glance:

	SYSTEM					
	FLOWCOAT SF41 LE	FLOWCOAT SF41 LE SR	FLOWCOAT SF41 LE HD	PERAN SL LE	PERAN STB PUBLIC	PERAN STB PUBLIC SR
Thickness	0.3 - 0.5 mm	1 - 1.5 mm	2.5 - 3 mm	2 - 2.5 mm	3 mm	3 mm
No. of layers	2	2	3	3	3	3
Reaction to Fire (EN 13501-1)	B _f -s1					C _f -s1
Slip Resistance (BS 7976-2)	>40 Dry >15 Wet	>60 Dry >50 Wet	>60 Dry >50 Wet	>40 Dry >15 Wet	>40 Dry >25 Wet	>60 Dry >40 Wet
Impact Resistance (EN ISO 6272-1)	IR5	IR10	IR15	IR20	IR20	IR20
Wear Resistance (EN 13892-4)	AR0.5					
Wear Resistance (EN 13892-5)					RWA1	
Bond Strength (EN 1542)	B2.0 (≥ 2.0 MPa)					
Easy to Clean	✓			✓	✓	

APPLICATION DIFFICULTY					
LOWEST					HIGHEST
Flowcoat SF41 LE	Flowcoat SF41 LE SR	Flowcoat SF41 LE HD	Peran STB Public SR	Peran SL LE	Peran STB Public

COST PER M ² / MM					
LOWEST					HIGHEST
Flowcoat SF41 LE	Flowcoat SF41 LE SR	Flowcoat SF41 LE HD	Peran STB Public	Peran STB Public SR	Peran SL LE



Aftercare

The correct cleaning and maintenance programme will help ensure that your new floor retains its appearance and helps to extend the working life.

Flowcrete is committed to ensuring that clients get the most from the floor throughout its lifecycle. To achieve this, Flowcrete provides tips to help facilities managers and site operators keep the floor clean, attractive and functional. This includes advice on the best methods for maintaining the floor in various parts of a facility as well as cleaning techniques for when the floor is exposed to different conditions, such as excess water and heavy soiling.

General

Hard resin coatings offer many possibilities and can be supplied with anti-slip surfaces, fireproof and antistatic properties. Resin finishes have a long lifecycle and are very resistant to both mechanical wear and chemical spillage. The range of patterns and colour options is extensive and the floor's visuals can be customised to meet the customer's requirements.

Preventative Maintenance

Right from the planning stage of a flooring system it is important that the question of maintenance is brought up and planned for. The amount and extent of dirt can be kept under control by placing doormats on the floor or by implementing embedded dirt collection zones. This primarily applies to all very highly frequented entrance and transit zones such as entrances and walkways.

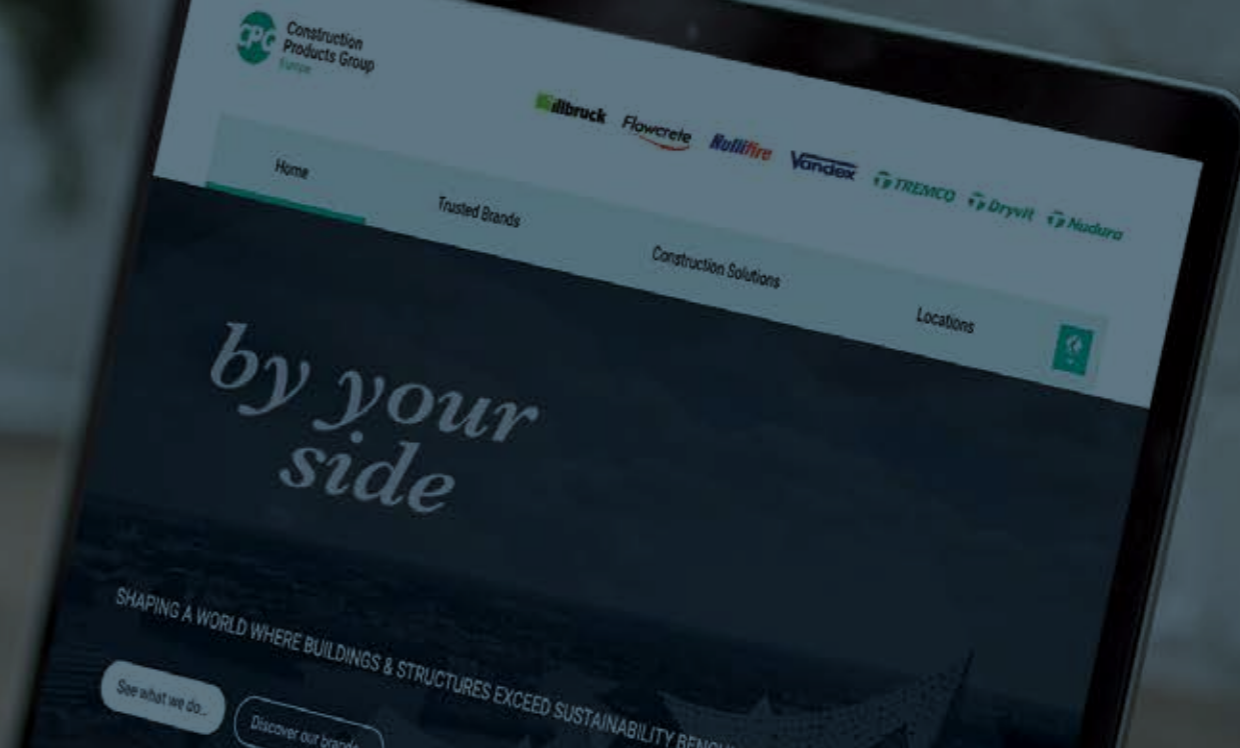
Care Directions for Dry Premises

A dry premises is an area not subjected to daily water ingress. An alkaline cleaning agent must be used for continual surface maintenance of dry premises. Always mix the cleaning agent with water in accordance with Flowcrete's directions. Floor surfaces can be cleaned using a mop, high-pressure washer and scouring machines.

Care Directions for Wet Premises

A wet premises is an area where the floors/walls are subject to water on a daily basis. Routine cleaning of walls and floors should be carried out by wetting the floor with clean water, washing away loose contaminants at the same time. Apply the cleaning solution with a spray handle to the walls and fittings, starting from the bottom and continuing in an upwards direction. Scour quickly and lightly at the same time as the cleaning solution is applied to the floor.





Tremco CPG Europe manufactures high performance building materials in order to solve the complex challenges faced by today's construction industry. It is the home for multiple European construction product brands, including illbruck, Flowcrete, Nullifire, Tremco, Vandex, Dryvit and Nudura. With over 1,400 employees across Europe, we are committed to being by your side to shape a world where buildings and structures save energy, last longer and exceed sustainability benchmarks.

From joint sealing, bonding and insulation through to passive fire protection, flooring, waterproofing and roofing solutions- the product brands housed within Tremco CPG Europe cover a wide array of different construction needs. Combined with the wealth of expertise, services and support we provide a truly unique offer - to make our customers more successful time after time.

Tremco CPG Europe is part of RPM International Inc. - one of the world's leading construction products companies for both the industrial and consumer segments.

Europe's leading construction products brands...



Our Values

- 

COLLABORATION
- 

HONESTY & INTEGRITY
- 

RESPECT
- 

ENGAGEMENT
- 

SUSTAINABLE DEVELOPMENT

Delivering World-Class Construction Product Solutions.

The product brands housed within Tremco CPG Europe cover a wide array of different construction needs and provide a wealth of complex services, support and systems that are rarely found together under one roof.



Intumescent Coatings, Fire Stopping



Potable & Waste Water Industry, Balconies, Terraces, Basements & Foundations



Window Insulation, Façade Construction, Exterior Insulation & EIFS, Structural & Inplant Glazing, Insulated Concrete Forms (ICFs)



Seamless Resin Flooring, Subfloor Preparation, Car Parking Structures



Liquid Applied Systems, Felt Systems, Vegetated Roofing



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