



# INDUSTRIAL FLOORING

► A guide to high performance industrial flooring systems available from Tremco CPG India.

## Industrial Flooring Range

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Flowcrete's Industrial Flooring range has been developed to deliver the ultimate Hygiene durability and resistance for hard-wearing surfaces that stand the test of time.

Reliable formulations stand up to heavy fork-lift truck, pallet truck and pedestrian traffic, whilst boasting impressive resistance levels against aggressive chemicals, cleaning agents and spillages across a number of production areas, including those subject to extreme temperature change.

What's more, Flowcrete's Industrial flooring range offers everything from textured finishes for slip resistance to UV stability to maintain colour vibrancy. Some ranges are even available in an antistatic grade for the protection of sensitive electronic equipment, resulting in a range of flooring solutions perfect for a variety of heavy duty industrial environments.

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## Application Suitability



Manufacturing



Aerospace



Automotive



Electronic



Pharmaceutical



Food and Drink Processing



Chemical



Print

## Performance Benefits



Exceptional chemical resistance\*



Impressive abrasion resistance for a longer lifespan



Withstands variable temperatures



Impact resistant, withstanding a variety of traffic



Antistatic grades available to protect against shock



Some finishes are UV resistant



Seamless easy to clean surface



Attractive with an range of vibrant colors



Solvent free and low odor



Hygienic with Polygiene (HACCP certified)



Slip resistant and reduce slip hazards



Fast curing times

\* A detailed chemical resistance chart is available upon request for all Industrial systems. Please contact your local Technical Department for further assistance.



## Primer & Damp Proof Membrane

Primer for variety of substrates including damp surface designed to withstand moisture vapor from substrate.

PRODUCT	DESCRIPTION	APPLICATIONS
<b>Flowprime (10 kg)</b>	3 Component epoxy resin based primer	Priming of concrete or screed substrate before application of Deckshield System.
<b>Flowprime M (10 kg)</b>	2 Component, Aluminium pigmented high solids epoxy primer	Priming of Metal substrates prior to application of resin system
<b>Flowprime SB (10 kg)</b>	2 Component, Epoxy resin based low viscous primer	Penetrating solvent borne primer for porous substrate like screed before application of resin system
<b>Flowseal EPW Primer (10 kg)</b>	2 Component, Water based epoxy primer	Priming of damp concrete substrate prior to application of damp proof membrane
<b>Hydraseal DPM (10 kg)</b>	2 Component, Solvent & water free, liquid applied epoxy surface damp proof membrane	Allows quick installation of moisture sensitive floor finishes onto substrates with a moisture content up to 100% RH.

## Floor Sealer and Coating

Full range of sealing and coating treatment to meet various floor surface requirements with different chemistries like Epoxy, Water-based Epoxy, Polyurethane etc.

PRODUCT	DESCRIPTION	APPLICATIONS
<b>Flowseal EPW Colour (10 kg)</b>	2 Component, Pigmented water based epoxy sealer	Non-dusting environment. Light industrial areas, store rooms and areas of pedestrian traffic
<b>Flowseal UV (Clear / Glossy / Matt / Satin) (5 kg)</b>	2 Component, Aliphatic, Solvent based polyurethane sealer	Can be applied on concrete, screed or resin system
<b>Flowseal PU 402 (5 kg)</b>	1 Component, Polyurethane floor sealer	For concrete, wooden or metal floor Also protective liner for shutter boards
<b>Flowseal Ultra (5 kg)</b>	2 Component, Solvent free polyaspartic based sealer	Sacrificial coat on resin system for high abrasion resistance.
<b>Flowcoat HS (10 kg)</b>	2 Component, High performance epoxy based coating	Factories, warehouses, plants and storerooms.
<b>Flowcoat HTS (5 kg)</b>	2 Component, Very high performance, UV stable polyurethane coating	Heavy traffic areas like loading docks, warehouses, high traffic aisles, amongst others.
<b>Flowcoat OP (10 kg/20 kg)</b>	2 Component, Epoxy based, Orange peel coating finish	Factories, warehouses, plants and storerooms
<b>Flowcoat SF 41 (10 kg)</b>	2 Component, High build, Epoxy coating	Hard-wearing coloured floor coating in areas such as factories, warehouses, storerooms, plantrooms, light production & process areas.
<b>Flowcoat LXP (10 kg)</b>	2 Component, Solvent free, polyurethane coating	Flexible coloured floor coating in areas on a variety of substrates such as concrete, wood, metal and asphalt.
<b>Flowcoat CT (10 kg)</b>	2 Component, Solvent free, High build, Coal tar epoxy coating	Underground structure, concrete and steel surfaces in sewage treatment plant, chemical plant and steel structures.

## Underlayment/Dry Screed/Coving

Underlayments to meet the requirements of surface profile corrections, coving as well as increasing the impact resistance properties before applying resin finish on top of this.

PRODUCT	DESCRIPTION	APPLICATIONS
<b>Flowshield SL UL (20 kg)</b>	3 Component, Self-smoothing, Epoxy underlayment	Dry process areas with heavy traffic Laboratories, clean rooms, warehouses and storage areas in Industrial environment
<b>Flowcem (20 kg)</b>	3 Component, Self-smoothing, Epoxy-cement composite	As a breathable moisture vapour barrier to be overlaid with resin flooring finishes on substrates which do not have an effective damp proof membrane
<b>Flowtex PT(4-6mm) (33 kg)</b>	3 Component, Power trowel applied epoxy screed	Heavy duty underlayment for resin floor finishes for areas of high traffic, impact & chemical spills in dry and wet environment
<b>Flowtex HT (6-8mm) (35 kg)</b>	3 Component, Hand trowel applied epoxy screed	Wet and dry industrial, commercial and institutional environments subjected to high traffic, impact & chemical spills
<b>Flowtex TQ (5mm) (35 kg)</b>	4 Component, Multilayer epoxy decorative screed (made up of colour stable quartz granules)	Wet and dry process areas where the floor is subject to heavy traffic, impact and chemical spills
<b>Flowtex F1 Coving Mortar (35 kg)</b>	3 component, Solvent free epoxy resin based coving mortar	Suitable to form coved skirtings. Can be feathered down to mim 1mm thickness
<b>Concrete Top-Supreme (25 kg)</b>	Single component, Latex & microsilica modified, Cementitious topping & Repair mortar	Parking decks & Ramps, Pavements, Warehouse & Light Industrial oors, Shoulder repairs
<b>Thin-Top Supreme (25 kg)</b>	Premium Polymer & Microsilica Modified Repair & Overlay Mortar for thin applications	Parking decks, Pavements and Joints, Marine structures, Curbs and gutters, Ramps and Floors; Walkways

## Self-Smoothing Epoxy and Polyurethane Topping

Self-smoothing systems with different chemistries like Polyurethane, Epoxy with various thickness to meet the requirements of clean room.

PRODUCT	DESCRIPTION	APPLICATIONS
<b>Flowshield SL (0.5mm) (14 kg)</b>	4 Component, High gloss, Self-smoothing epoxy floor finish	Typical uses include clean rooms, laboratories, warehouses & storage area Maintenance coating on top of existing resin floor finish.
<b>Flowshield SL (1-2mm) (16 kg/20 kg)</b>	4 Component, High gloss, Self-smoothing, epoxy floor finish	Dry process areas (medium to heavy duty traffic) include clean rooms, laboratories, warehouses and storage areas in Industrial environment.
<b>Flowshield Quartz (2mm) (20 kg)</b>	4 Component, Decorative, Self-smoothing "liquid-vinyl" epoxy resin flooring system	Dry, light industrial, commercial and institutional floors requiring a decorative but durable industrial floor performance
<b>Flowshield LXP (1.5mm) (10 kg)</b>	2 Component, Solvent-free, Self-smoothing high performance polyurethane floor finish	Typically used in manufacturing and packaging areas subject to heavy foot and pallet truck traffic. Use on substrate such as concrete, wood and metal
<b>Flowshield LXP HD (3mm) (15 kg)</b>	3 Component, Solvent-free, Self-smoothing high performance polyurethane floor finish	Use over asphalt, wood, steel and concrete. Heavy traffic area & where a degree of flexing of the floor is expected
<b>Flowshield PU (18 kg)</b>	4 Component, Pigmented, Self-smoothing polyurethane screed resin floor finish	Areas requiring chemical resistance, durability and impact resistance Vehicle workshops, engineering factories and garages

# Flowfresh Anti-Microbial Polyurethane Coatings

Flowfresh represents a new generation of performance antimicrobial flooring based on the use of silver in partnership with polygiene® that kills up to 99.9% of bacteria on contact. HACCP International certified as safe for use in food processing environments, Flowfresh offers total protection.



PRODUCT	DESCRIPTION	APPLICATIONS
<b>Flowfresh Sealer (5 kg)</b>	2 Component, Water based, Polyurethane Colored Sealer Coat	Polyurethane sealer coat specially designed for applying on Polyurethane screed System
<b>Flowfresh Primer (6 kg)</b>	3 Component, Water based, Polyurethane Primer for Concrete & cementitious substrates	Polyurethane primer prior to use of Polyurethane screed coating or lower thickness of Polyurethane screed system
<b>Flowfresh HF Coving Mortar (16 kg)</b>	4-component, Solvent-free, polyurethane Screed. Contains Polygiene® (anti-microbial additive)	Suitable to use as footing/moulding compound to form coves for the Flowfresh SL, MF, RT and HF systems specially for high temperature area
<b>Flowfresh WR (16 kg)</b>	4 component, Heavy duty, Anti-microbial treated polyurethane coving and wall rendering mortar. Contains Polygiene® (anti-microbial additive)	Suitable for wet processing zones such as food manufacturing, chemical processing plants and food preparation areas
<b>Flowfresh Coating (5 kg)</b>	3-component, Water-based, Polyurethane color coating. Polygiene® (anti-microbial additive)	Suitable to used for sealing Flowfresh HF Cove and Flowfresh SR.
<b>Flowfresh SL (2-3mm) (18 kg)</b>	4 Component, Pigmented, Antimicrobial, Self-smoothing, polyurethane resin floor finish which contains Polygiene® (an anti-microbial additive)	Suitable for dry or semi-wet F&B processing pharma, and other industrial environment where high performance flooring is required.
<b>Flowfresh SRQ (3mm) (18 kg)</b>	4 Component, Decorative polyurethane resin floor screed system. Contains Polygiene® (an anti-microbial additive)	Suitable for a hygienic floor finish for wet processing areas in F&B facilities and chemical processing plants.
<b>Flowfresh MF (3 to 4mm) (20 kg)</b>	4 Component, Anti-microbial polyurethane resin floor screed system with smooth matt coloured finish. Contains Polygiene® (anti-microbial additive)	Dry or semi-wet Food & Beverage processing, pharmaceutical and other industrial environment subject to light -medium traffic
<b>Flowfresh SR(3-4mm) (20 kg)</b>	4 Component, Anti-microbial polyurethane resin floor system with an textured anti slip finish. Contains Polygiene® (an anti- microbial additive)	Suitable for wet processing areas in Food & Beverage manufacturing, preparation areas and processing plants.
<b>Flowfresh RT(6-9mm) (33 kg)</b>	5 component, Anti-microbial, Hygienic Polyurethane screed, textured coloured finish that incorporates Polygiene®(an anti- microbial additive)	Suitable for wet processing areas in Food & Beverage facilities and other Industrial environment subject to high volumes of traffic
<b>Flowfresh HF (6-9mm) (33 kg)</b>	5 component, Anti-microbial, Hygienic Polyurethane resin screed, textured finish that incorporates Polygiene® (an anti- microbial additive)	Suitable for wet processing areas in Food & Beverage facilities and other Industrial environment subject to high volumes of traffic
<b>Flowfresh IF (6-9mm) (20 kg)</b>	5 component, Anti-microbial, Cementitious urethane mortar. incorporates Polygiene®(an anti-microbial additive)	Suitable for a hygienic floor finish for heavy duty wet processing areas in F&B facilities and other Industrial environment where high performance flooring is required.



## Flowfast Fast Curing Methylmetha Acrylate (MMA)

Ready to use just two hours after application, Flowcrete's speediest flooring solution delivers unrivalled installation and cure times as well as an eye-catching finish. Available in a creative mix of colours and finishes, Flowfast is well-suited to the commercial sector (airports, shopping centres, residential developments, underground rail stations, stadia buildings and arena complexes). Offering chemical, wear and slip resistance, Flowfast is also a popular choice with the food processing, mechanical, chemical and electronic goods industries where it's seamless, durable finish offers an excellent platform for hygiene and heavy industry.

PRODUCT	DESCRIPTION	APPLICATIONS
<b>Flowfast Damp Primer (20 kg)</b>	Methylmetha Acrylate(MMA) Primer for Damp Substrate	MMA primer prior to application of MMA system on damp substrate.
<b>Flowfast Ceramic/ Metal Primer (20 kg)</b>	Methylmetha Acrylate(MMA) Primer for Metal and Ceramic substrate	MMA resin primer prior to application of MMA system on Ceramic or metal substrate.
<b>Flowfast Asphalt Primer (20 kg)</b>	Methylmetha Acrylate(MMA) Primer for Asphalt Substrate	MMA resin primer prior to application of MMA resin system on Asphalt substrate.
<b>Flowfast Standard Primer (20 kg)</b>	Methylmetha Acrylate(MMA) primer for Concrete Substrate	MMA resin primer prior to application of MMA resin system on concrete substrate.
<b>Flowfast Coating (5 kg)</b>	Methylmetha Acrylate(MMA) resin floor coating, developed for light to medium traffic environments.	Ideal for corridors, walkways, store rooms, laundry rooms, workshops, packaging areas where time for floor repairing/resurfacing is limited
<b>Flowfast SL (2-3MM) (20 kg)</b>	Self smoothing Methylmetha Acrylate(MMA) resin floor topping (Satin/matt coloured)	Ideal for use in dry process areas where the floor is subject to impact and medium/heavy duty traffic
<b>Flowfast Quartz (4mm) (20 kg)</b>	Decorative Methylmetha Acrylate(MMA) resin floor finish (colour stable quartz granules encapsulated in a clear resin binder)	A hard wearing solution ideal for use in commercial and industrial settings
<b>Flowfast Quartz Scatter (3mm) (20 kg)</b>	Methylmetha Acrylate(MMA) resin floor finish (coloured quartz granules encapsulated in a clear resin binder)	Ideal for use in areas subject to heavy traffic, impact and chemical spills (where time for floor repairing is very limited)
<b>Flowfast Terrazzo (4mm) (20 kg)</b>	Decorative hard wearing Methylmetha Acrylate(MMA) resin floor finish	Ideal for use in high traffic retail and industrial environments (where time for floor repairing is very limited)
<b>Flowfast Kristalina (4mm) (20 kg)</b>	Decorative, Smooth sparkling Methylmetha Acrylate(MMA) resin floor finish	Ideal for use in all commercial settings (where time for floor repairing is very limited)

## Anti-Static Flooring

Electro-Static Discharge (ESD) can pose a threat to sensitive electronic equipment, and in environments that handle volatile gases, powders, liquids or other substances it can even be a potentially dangerous ignition source.

To minimize concerns, a controlled electrostatic protected area (EPA) can be created by installing an epoxy coating that safely dissipates electrostatic charge to ground faster than it accumulates. Flowcrete's India's specialist anti-static finish fulfills the three flooring criteria outlined in ANSI/ESD S20.20, which requires a system resistance of a person through the floor and to ground of less than 35 megohms.

PRODUCT	DESCRIPTION	APPLICATIONS
<b>Flowprime ESD Conductive (10 kg)</b>	2 Component, Water based, conductive epoxy Primer	Used within electrostatic conductive or dissipative resin floor system.
<b>Flowcoat ESD Conductive (5 kg/10 kg)</b>	2 Component, Solvent free, Anti-static Epoxy Coating	For use in light to medium duty traffic areas (where conductive ESD standards are required)
<b>Flowcoat Dielectric (10 kg)</b>	2 Component, Solvent free, High build Dielectric epoxy Coating	Hard-wearing coloured floor coating in areas such as high voltage sub-stations- switchgear panels, VCB's ,battery rooms, marshalling box flooring
<b>Flowshield ESD SL (1-2mm) (16 kg/20 kg)</b>	Antistatic, Self-Smoothing epoxy floor coating	Suitable for use in medium to Heavy duty traffic areas (where conductive ESD standards are required)
<b>Flowshield ESD Quartz 2mm (20 kg)</b>	Antistatic, Self-Smoothing 'decorative-vinyl' like epoxy floor finish	Alternative to vinyl for areas where a durable, hard-wearing, good chemical resistance, attractive floor with minimized visible scratches is required with conductive ESD standard.
<b>Flowfresh ESD SL (2mm) (16 kg)</b>	Antistatic Polyurethane resin floor system with Polygiene® (anti-microbial additive)	Provides a hygienic, antistatic floor finish with exceptional chemical resistance.
<b>Flowshield Dielectric (2mm) (20 kg)</b>	2 Component, Solvent free, High build Dielectric epoxy self- smoothing system	Hard-wearing coloured floor finish (high voltage sub-stations- switchgear panels, VCB's ,battery rooms, marshalling box flooring)
<b>Flowfresh Dielectric (2mm) (18 kg)</b>	Dielectric, Polyurethane resin floor system with a smooth matt coloured finish with Polygiene® (anti-microbial additive)	Provides a hygienic, dielectric floor finish with exceptional chemical resistance where dielectric standards are required





## Chemical Resistance Flooring

Unprotected concrete floors can quickly deteriorate after exposure to corrosive chemicals, even food and drink spillages in commercial facilities can spoil a floor finish. Making sure that the floor beneath your feet is able to withstand the on-site chemicals is especially vital in sensitive food production, manufacturing, healthcare and kitchen environments. Preventing unsightly and unhygienic flooring. Flowcrete chemical resistant coatings can maintain a seamless, high quality finish for an extended period of time despite contact with even the most caustic of solvents, acids and alkalis.

PRODUCT	DESCRIPTION	APPLICATIONS
<b>Flowcoat CR (10 kg)</b>	2 Component, Solvent free, High performance epoxy resin coating	Coloured floor coating - processing, manufacturing, packaging, testing and warehouses subjected to chemical spillages.
<b>Flowcoat UCR (10 kg)</b>	3 Component, Solvent free, Novolac epoxy resin coating with extremely high chemical resistance	Typical uses are processing, manufacturing, packaging and chemical storage areas subject to heavy foot and pallet truck traffic.
<b>Flowshield CR (1-2mm) (10 kg/20 Kg)</b>	4 Component, High chemical resistance, Self-smoothing epoxy resin flooring system	Dry process areas subject to high chemical spillages, hard-wearing for medium to heavy traffic (chemical storage areas, laboratories, warehouses and printing plants).
<b>Flowshield UCR 1000 (10 kg)</b>	4 Component, Solvent free, self-smoothing novolac epoxy floor finish.	Areas subject to heavy foot and pallet truck traffic (Pharmaceutical, electronic, aerospace, automotive and printing plants).
<b>Flowcoat SK (10 kg)</b>	2 Component, Solvent free, Hydraulic and Skydrol® resistance coating.	Used in aircraft hangars, aircraft, parking areas and workshops
<b>Flowshield SK (1-2mm) (16 kg/20 kg)</b>	4 Component, Solvent free, High build epoxy self-smoothing system (resistance to hydraulic and Skydrol®)	Used in aircraft hangars, aircraft parking areas and workshops subject to medium to heavy duty area

## Corrosion Protection System

Damage caused by corrosive materials may not always be visible to the eye, but can lead to structural failure or public safety risks. Anti-corrosion coatings allow for the added protection of metal and concrete surfaces and structures, acting as a barrier to inhibit the contact between chemical compounds or corrosive materials in areas of primary and secondary containment. Corrosion resistant coatings also provide enhanced temperature & abrasion resistance as well as reduced shrinkage, durability and excellent bond strength - all without cracking.



PRODUCT	DESCRIPTION	APPLICATIONS
<b>Flowchem VE RC</b> (20 kg)	2 Component, "shrink-free" Vinyl Ester Coating (Applied between 0.5 and 1 mm thick)	Protection of concrete walls, floors, kerbs, equipment bases, trenches and drains against aggressive chemicals, solvents and mechanical plus thermal attack in heavy duty areas
<b>Flowchem VE GL</b> (2 to 3mm) (20 kg)	2 Component, Roller or Spray applied vinyl ester, Fiber glass reinforced coating system	Protection against aggressive chemicals, thermal and mechanical stress (in Concrete & steel Structures)
<b>Flowchem VE V-05/H-05</b> (5mm) (20 kg)	2 Component, Vertical/horizontal trowel applied "shrink-free" vinyl ester resin based render system	For protection of concrete floors/ walls, kerbs, equipment bases, trenches and drains against aggressive chemicals, solvents and thermal attack in medium duty areas.



## Wall Coatings

Non-porous, water-based and smooth coatings for use on walls and ceilings are integral, particularly within the food and beverage, medical care and pharmaceutical industries, to ensuring a hygienic surface that integrates with both floor and coving mortars, to seal all interior surfaces within the facility.

The use of these wall and ceiling coatings eliminate the cracks, crevices and pores that commonly harbour dirt and encourage the growth of bacteria, fungi and moulds - all of which can lead to an unsafe working environment as well as contamination of the produce within.

PRODUCT	DESCRIPTION	APPLICATIONS
<b>Flowseal EPW Wall White (10 kg)</b>	Single Component, 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
<b>Flowguard WB (20 kg)</b>	Single component, Water based polyurethane interior wall coating	Suitable for walls in F&B processing pharmaceutical cleanrooms, and hospitals
<b>Stericote (20 kg)</b>	Non toxic, Anti-fungal, single component PU resilient coating	Coating of walls, ceilings, insulation and steelwork in areas where damp humid conditions promote fungal and bacterial proliferation
<b>Flowcoat CRV (10 kg)</b>	2 component, high chemical resistance epoxy resin based vertical grade coating	Aquarium tanks, pools, chemical tanks where high degree of chemical resistance & waterproofing properties are required.
<b>Tammscoat (25 kg)</b>	High build, water-based, acrylic protective anti-carbonation coating	Protect and decorate sound masonry and concrete walls, columns ,ceiling for multi-story car park area

- Tremco Construction Products Group (CPG) India is a market leader in the manufacture of Construction Chemical products including seamless industrial and commercial resin flooring solution, waterproofing systems, roofing with insulation, systems for joints & durable sealants, admixtures, repair solution, fibres as well as other specialist construction products & coatings.
- Tremco CPG India belongs to an wider global Tremco Construction Products Group company (an RPM Inc. division) headquartered in Cleveland, Ohio (USA).
- Tremco Construction Products group is a powerful union of some of the world's most trusted & leading chemical and coatings technology brands owned by RPM Inc.



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