

CEMENTITIOUS AND RESIN FLOOR COATINGS



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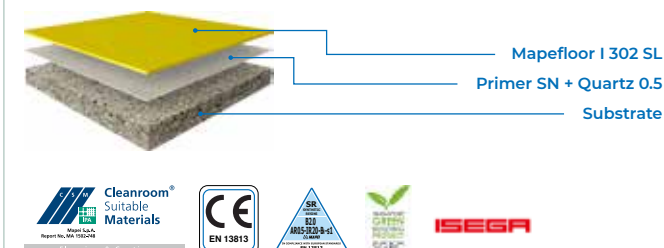


COMMONLY USED SYSTEMS

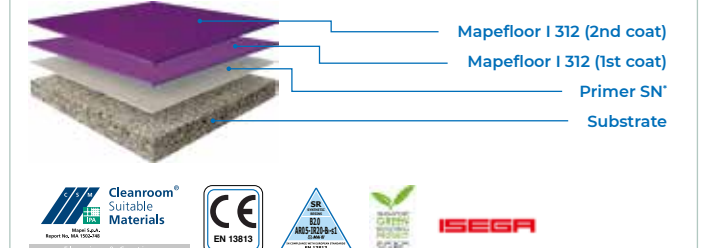
Commonly used systems - Overview

- Flooring systems for electronic industry
- Flooring system for food industry
- Flooring systems for carpark
- Cement based flooring system

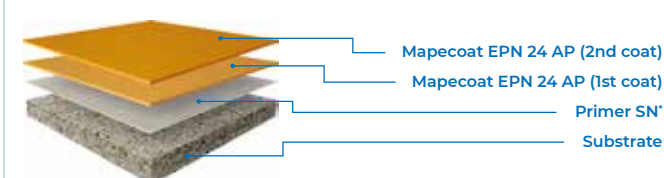
MAPEFLOOR I 302 SL: SELF-LEVELLING SYSTEM (2 mm)



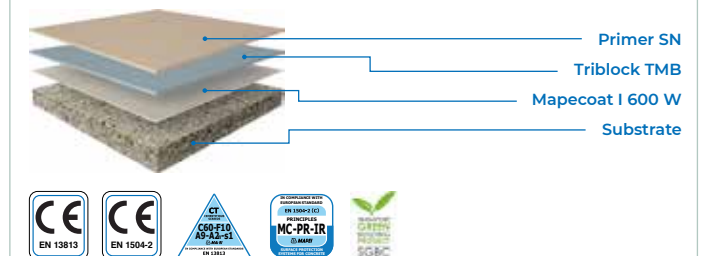
MAPEFLOOR I 312: ROLLER COAT SYSTEM (0.3-0.5 mm)



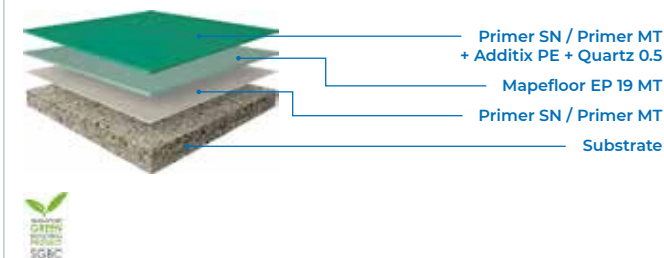
MAPECOAT EPN 24 AP: ROLLER COAT SYSTEM (0.3-0.5 mm)



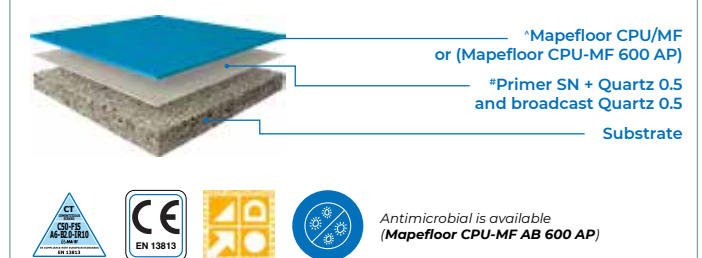
TRIBLOCK TMB (2-3 mm)



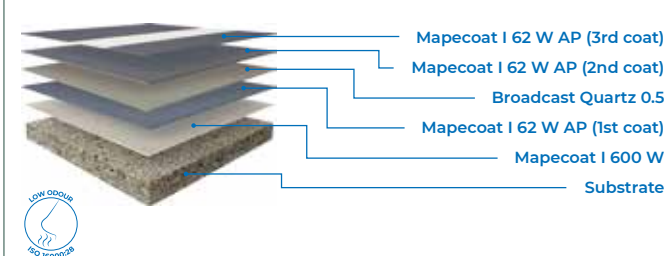
MAPEFLOOR EP 19 MT (minimum 5 mm)



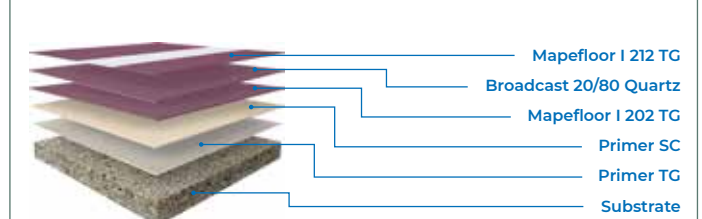
MAPEFLOOR CPU/MF (3-6 mm)



MAPECOAT I 62 W AP: ANTI-SLIP BROADCAST SYSTEM (0.8-1.5 mm)



MAPEFLOOR PARKING SYSTEM TG: ANTI-SLIP BROADCAST SYSTEM



MAPEFLOOR PARKING SYSTEM RLТ (0.8-1.2 mm)

Complies with the requirements of Class OS 8

ULTRATOP (5-40 mm)

CE EN 1504-2

CT C60-F10 A9-A2-s1

GREEN BUILDING PRODUCTS SGBC

Flooring systems for electronic industry

MAPEFLOOR I 302 SL: SELF-LEVELLING SYSTEM (2 mm)

Multipurpose epoxy self-levelling system for floors.
Total thickness: 2 mm.

- Chemical-resistant
- Low VOC out-gassing
- Resistant to attack from micro-organisms
- High mechanical performance

Cleanroom Suitable Materials

CE EN 13813

SR C60-F10 A9-A2-s1

GREEN BUILDING PRODUCTS SGBC

ISEGA

Environments: Wafer fab cleanrooms, Chemical and pharmaceutical industries, Cleanrooms in various industries, such as optics sector, electronics, etc., Foodstuffs industry, Laboratories, Aseptic rooms, Mechanised warehouses.

MAPEFLOOR I 312: ROLLER COAT SYSTEM (0.3-0.5 mm)

Epoxy roller coat system for walls and floors.
Total thickness: 0.3 – 0.5 mm.

- May be used as a thin self-smoothing or textured coating
- Safe for the environment, contains no nonylphenol
- Excellent resistance to chemicals and wear

GREEN BUILDING PRODUCTS SGBC

**For anti-slip, broadcast Quartz sand (final system thickness will be 1 – 1.5 mm).*

Environments: Laboratories, Sterile rooms, Aseptic rooms, Mechanized warehouses, Warehouse, Store Rooms, In-coming feedstock area.

MAPECOAT EPN 24 AP: ROLLER COAT SYSTEM (0.3-0.5 mm)

Chemical-resistant novolac epoxy roller coat system.
Total thickness: 0.3 – 0.5 mm.

- Resistant to chemicals - acids, alkalis, salts, oils and hydrocarbons
- Abrasion resistant
- Suitable for walls and floors subject to medium and heavy traffic
- May be applied as a self-smoothing system or as an anti-slip system
- Solvent-free

**For anti-slip, broadcast Quartz sand (final system thickness will be 1 – 1.5 mm).*

It can be applied as a self-levelling coat at 2mm thickness.

Environments: Production areas, Storage areas including tanks, Laboratories, Pharmaceutical plants, Areas requiring high chemical and mechanical protection.

TRIBLOCK TMB (2-3 mm)

Three-component, self-levelling, epoxy-cementitious moisture barrier for damp substrates to allow installation of resin floor coatings. Total thickness: 2 – 3 mm.

- Fast-curing; may be coated after just 24 hours (at +20°C and 75% R.H.)
- Excellent adhesion to concrete and with successive resin coatings
- Reduces the risk of blisters and/or detachment of successive waterproof coatings
- Excellent mechanical strength
- Solvent-free

CE EN 13813

CE EN 1504-2

CT C60-F10 A9-A2-s1

GREEN BUILDING PRODUCTS SGBC

MC-PR-IR

Environments: Levelling layer on damp concrete flooring (not completely cured) or subject to capillary rising damp from the substrate, Levelling layer on rough concrete flooring or concrete flooring roughened by grinding, Smoothing over damp concrete surfaces before applying epoxy or polyurethane coatings, Thin repair layers on the surface of damp substrates which do not require a particularly attractive finish, Repair and maintenance work on monolithic or steam-cured concrete floors.

MAPEFLOOR EP 19 MT (minimum 5 mm)

High-strength epoxy mortar for concrete floors subjected to high mechanical and abrasion loads and heavy traffic or as a moisture-tolerant underlayment for resin floors.
Minimum thickness: 5 mm.

- High impact resistance
- Moisture tolerant barrier
- Hardens without remarkable shrinkage
- Good resistance to aggressive chemical agents

GREEN BUILDING PRODUCTS SGBC

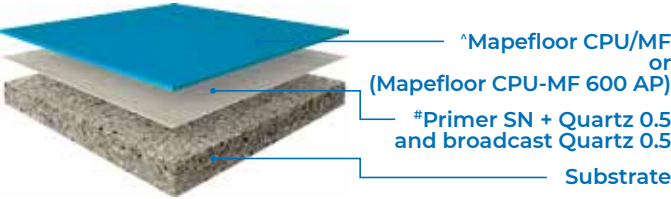
Environments: Loading/unloading bay, Wear-resistant beds for machinery, beams, etc., Rebuilding the corners of expansion joints in industrial flooring damaged by impact, Filling holes, Levelling off surfaces, Foundation pads for depuration plants and concrete drain pipes, ramps, silo beds, and concrete floors subject to heavy traffic.

Flooring system for food industry

MAPEFLOOR CPU/MF (3-6 mm)

Three-component cementitious polyurethane-based, self-levelling mortar with high chemical resistance and excellent mechanical properties applied at 3-6 mm floor application. Total thickness: 3 – 6 mm.

- Seamless coatings with the possibility of smooth or non-slip finish
- High resistance to chemicals such as acids, alkalis, oils, grease, saline solutions, hydrocarbons, etc
- Resistance to thermal shocks from -20°C to +70°C
- High mechanical strength and resistance to abrasion



**Can be replaced by scratch coat of Mapefloor CPU/MF. *Optional: Mapefloor CPU/TC can be applied.*

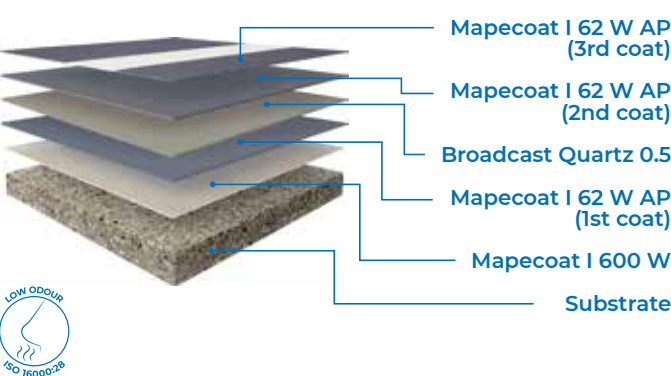
Environments: Food industry, Chemical and pharmaceutical industries, Wineries, Breweries, Beverage industry in general.

Flooring systems for carpark

MAPECOAT I 62 W AP: ANTI-SLIP BROADCAST SYSTEM (0.8-1.5 mm)

Two-component epoxy coating in water dispersion with a gloss finish, specifically developed for coating the surface of walls and ceilings. Total thickness: 0.8 – 1.5 mm.

- Solvent-free
- Low emission of volatile organic compounds and micro-particles
- Good mechanical and chemical resistance
- Dustproof surface; easy to clean and maintain

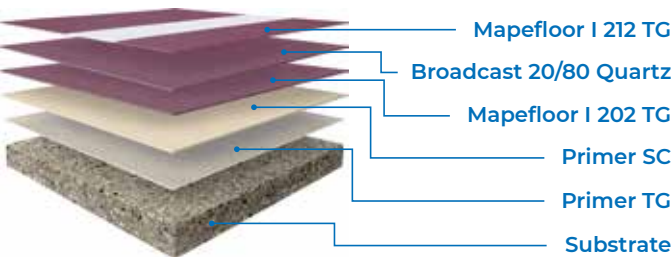


Environments: Low cost water-based epoxy parking structures, Damp environments like lower basement decks, Residential buildings (e.g. condominiums, apartments, etc.), and Public buildings (e.g. schools, universities, etc.).

MAPEFLOOR PARKING SYSTEM TG: ANTI-SLIP BROADCAST SYSTEM

Epoxy coloured wearing coat for anti-slip broadcast carpark system.

- Excellent resistance to wear and mechanical stress
- High resistance to chemical products such as oil, fuel, lubricants, diluted acids and base solutions, etc.
- For internal surfaces

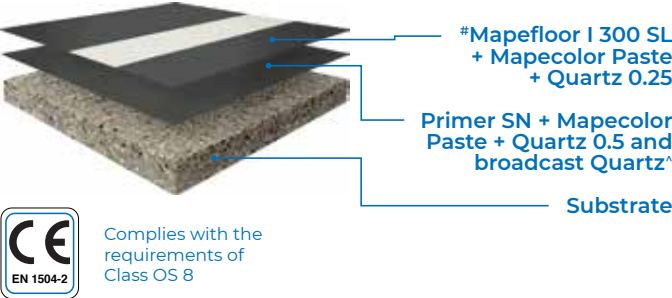


Environments: Deck coating system for multi-storey structures, Commercial buildings (e.g. shopping malls, retail stores, hotels, resorts, office building), Public buildings (e.g. buses and trains terminals, hospitals, medical centers, airport), Manufacturing.

MAPEFLOOR PARKING SYSTEM RLT (0.8-1.2 mm)

Multi-layered seamless epoxy coating system for pedestrian areas and areas with vehicular access subjected to light use. Total thickness: 0.8 – 1.2 mm.

- Slip-resistant
- Excellent resistance to wear and mechanical stress
- High resistance to chemical products such as oil, fuel, lubricants, diluted acids and base solutions, etc.
- For internal surfaces



**Mapefloor I 300 SL can be replaced with Mapefloor I 312 or Mapefloor I 212 TG. *Quartz size: 0.5 – 1.2 mm.*

Environments: Deck coating system for multi-storey structures, Commercial buildings (e.g. shopping malls, retail stores, hotels, resorts, office building), Public buildings (e.g. buses and trains terminals, hospitals, medical centers, airport), Manufacturing.

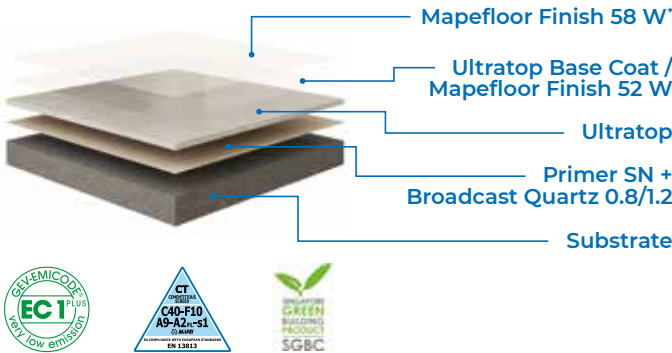
Cement based flooring system

ULTRATOP (5-40 mm)

Ultra-fast setting, self-levelling mortar based on special hydraulic binders for abrasion-resistant flooring.

Total thickness: 5 – 40 mm.

- High abrasion resistance
- Quick installation, very fast curing
- UV stable
- Need protective sealer



**Note: Topcoat or sealer options: Mapefloor Finish 630, Mapecrete Stain Protection, Mapefloor I 300 SL TRP.*

Environments: Warehouse, General manufacturing, HDB housing, Shopping centers, Supermarkets, Restaurants, Hotel, Shops and Showrooms.

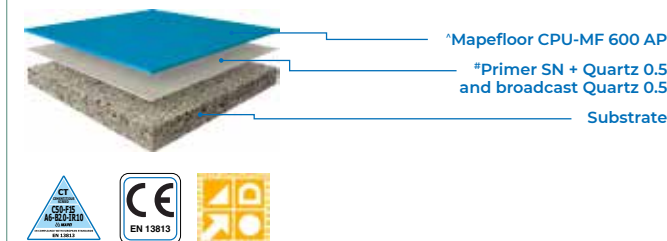


FLOORING SYSTEMS FOR THE FOOD INDUSTRY

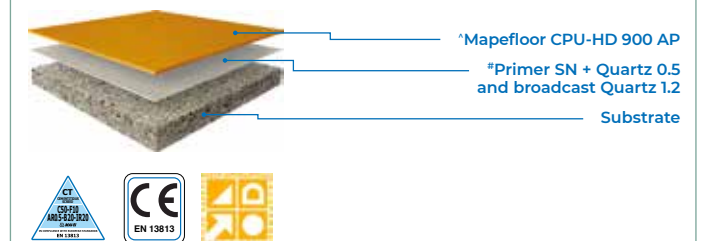


Flooring systems for the food industry - Overview

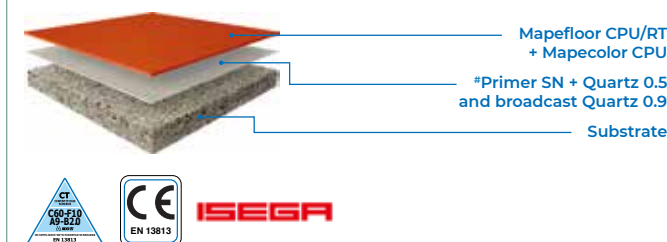
MAPEFLOOR CPU-MF 600 AP (3-6 mm)



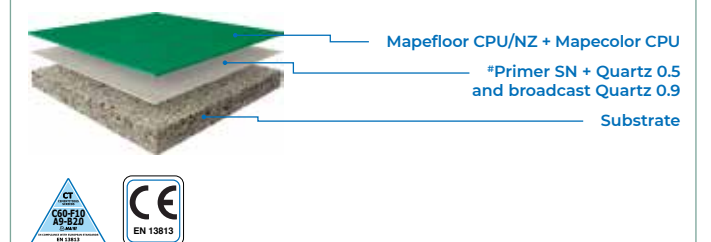
MAPEFLOOR CPU-HD 900 AP (6-12 mm)



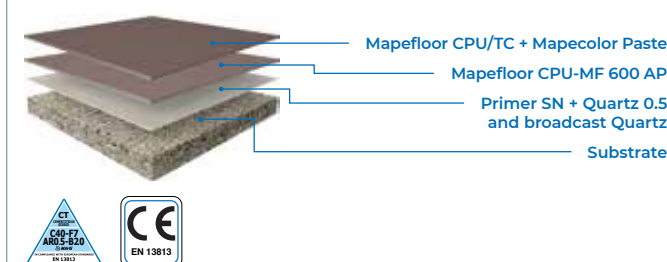
MAPEFLOOR CPU/RT (6-9 mm)



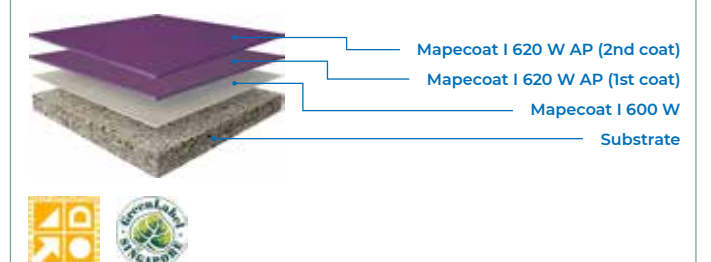
MAPEFLOOR CPU/NZ (4-6 mm)



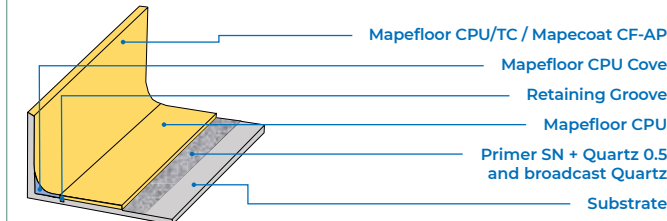
MAPEFLOOR CPU/TC



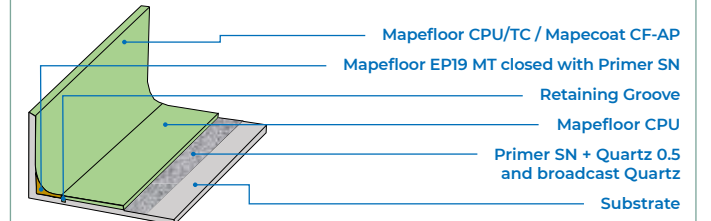
MAPECOAT I 620 W AP (0.3-0.5 mm)



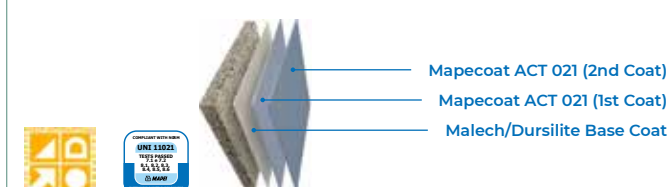
MAPEFLOOR CPU COVE POLYURETHANE



MAPEFLOOR CPU COVE EPOXY



MAPECOAT ACT 021



Flooring systems for the food industry



Mapefloor CPU flooring systems are designed to be extremely durable, abrasion resistant and attractive.

Mapefloor CPU flooring systems are designed to protect concrete substrates from aggressive substances, for areas subjected to heavy-duty physical, chemical, and thermal requirements as well as pedestrian and heavy vehicular traffic*.

Mapefloor CPU flooring systems are typically specified for use in industrial and civil environments, especially in the food and beverage industry or where highly

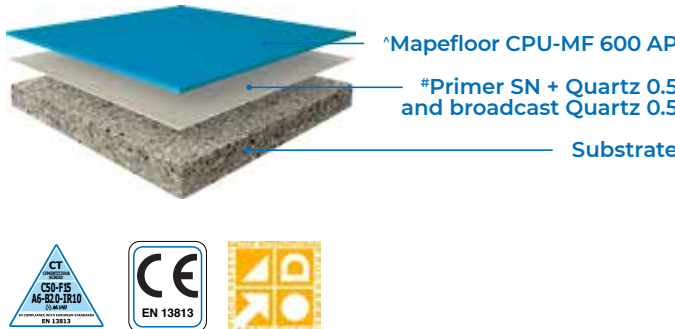
demanding cleaning regimes are in use. For these reasons, there is a **Mapefloor CPU flooring system** designed to suit the individual requirements for almost every type of industrial project. This system guide is intended to assist the client and contractor on proper procedures recommended by MAPEI towards achieving a successful application.

Use of a **Mapefloor CPU flooring system in areas subject to more demanding requirements than recommended on the particular product's Technical Data Sheet (TDS) may void any claim or warranty stated by MAPEI.*

MAPEFLOOR CPU-MF 600 AP (3-6 mm)

Three-component cementitious polyurethane-based, self-levelling mortar with high chemical resistance and excellent mechanical properties applied at 3-6 mm floor application.

- ▣ Seamless coatings with the possibility of smooth or non-slip finish
- ▣ High resistance to chemicals such as acids, alkalis, oils, grease, saline solutions, hydrocarbons, etc
- ▣ Resistance to thermal shocks from -5°C to +100°C
- ▣ High mechanical strength and resistance to abrasion



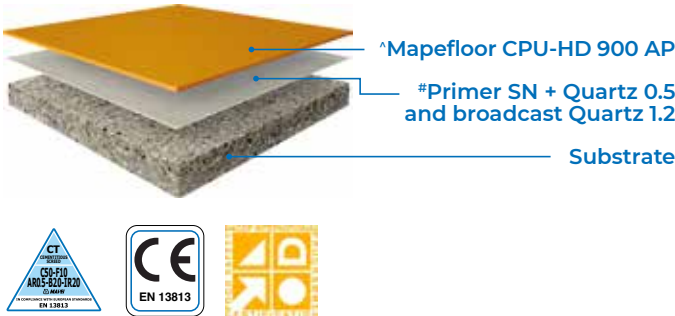
**Can be replaced by scratch coat of Mapefloor CPU-MF 600 AP. ^Optional: Mapefloor CPU/TC can be applied.*

Environments: Food industry, Chemical and pharmaceutical industries, Wineries, Breweries, Beverage industry in general.

MAPEFLOOR CPU-HD 900 AP (6-12 mm)

Four-component high-strength cementitious polyurethane-based mortar with high resistance to chemicals for coating industrial floors in layers from 6 to 12 mm thick. Complies with standards applied in the foodstuffs sector.

- ▣ Non-slip finish
- ▣ High resistance to chemicals such as acids, alkalis, grease, saline solutions, hydrocarbons, etc.
- ▣ Resistance to thermal shocks from -35°C to +140°C
- ▣ High mechanical strength and resistance to abrasion



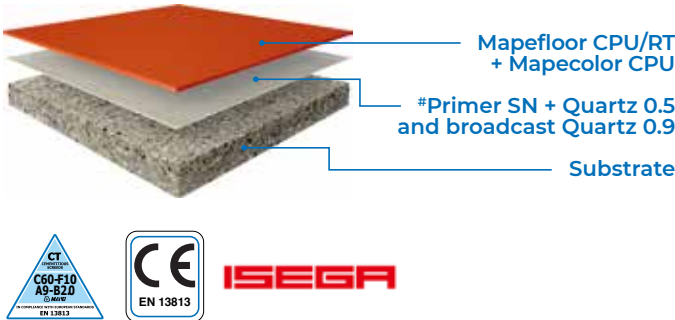
**Can be replaced by scratch coat of Mapefloor CPU-MF 600 AP or can be applied directly onto the concrete.
^Optional: Mapefloor CPU/TC can be applied.*

Environments: Food industry, Chemical and pharmaceutical industries, Wineries, Breweries, Beverage industry in general.

MAPEFLOOR CPU/RT (6-9 mm)

Four-component easy-to-apply high-strength cementitious polyurethane-based mortar with high resistance to chemicals for coating industrial floors in layers from 6 to 9 mm thick. Complies with standards applied in the foodstuffs sector.

- ▣ Non-slip finish
- ▣ High resistance to chemicals such as acids, alkalis, grease, saline solutions, hydrocarbons, etc.
- ▣ Resistance to thermal shocks from -40°C to +120°C
- ▣ High mechanical strength and resistance to abrasion



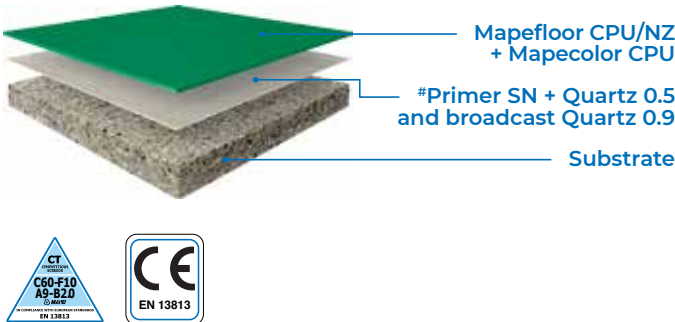
**Can be replaced by scratch coat of Mapefloor CPU-MF 600 AP or can be applied directly onto the concrete.*

Environments: Food industry, Chemical and pharmaceutical industries, Wineries, Breweries, Beverage industry in general.

MAPEFLOOR CPU/NZ (4-6 mm)

Four-component easy-to-apply high-strength cementitious polyurethane-based mortar with high resistance to chemicals for coating industrial floors in layers from 4 to 6 mm thick. Complies with standards applied in the foodstuffs sector.

- ▣ Non-slip finish
- ▣ High resistance to chemicals such as acids, alkalis, oils, grease, saline solutions, hydrocarbons, etc.
- ▣ Resistance to thermal shocks from -20°C to +80°C
- ▣ High mechanical strength and resistance to abrasion



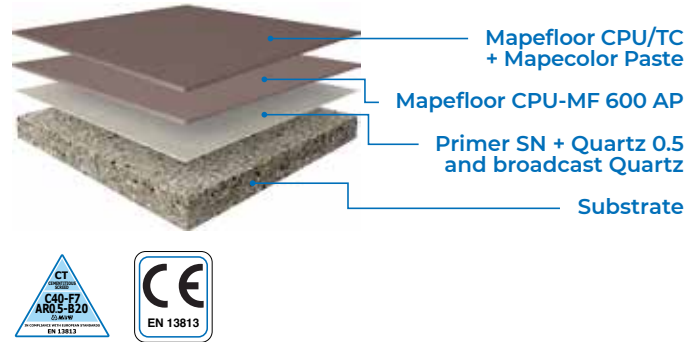
**Can be replaced by scratch coat of Mapefloor CPU-MF 600 AP.*

Environments: Food industry, Chemical and pharmaceutical industries, Wineries, Breweries, Beverage industry in general.

MAPEFLOOR CPU/TC

Four-component cementitious polyurethane-based formulate for coating walls and for finishing coats on polyurethane/cementitious systems for industrial floors.

- Seamless coatings with the possibility of smooth or non-slip finish
- High resistance to chemicals such as acids, alkalis, oils, grease, saline solutions, hydrocarbons, etc.

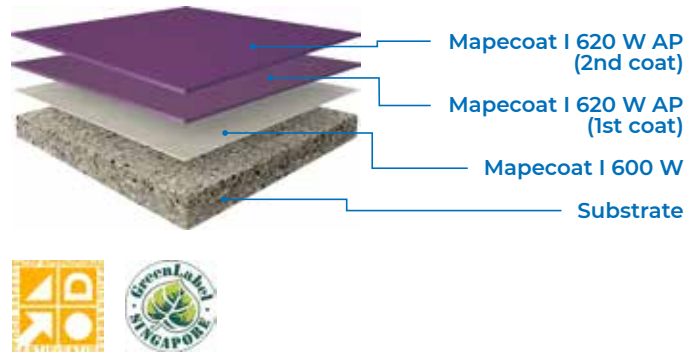


Environments: Food industry, Chemical and pharmaceutical industries, Wineries, Breweries, Beverage industry in general.

MAPECOAT I 620 W AP (0.3-0.5 mm)

Two-component water-based epoxy coating with a satin finish, for concrete floors and cementitious substrates, to provide an anti-dust oil resistant finishing treatment, and as a coating for epoxy systems. Total thickness: 0.3 – 0.5 mm.

- May be used for walls or as light duty floor
- No odours given off during application and when hardened
- Low emission of volatile organic compounds and micro-particles
- Good mechanical and chemical resistance
- Dustproof surface; easy to clean and maintain

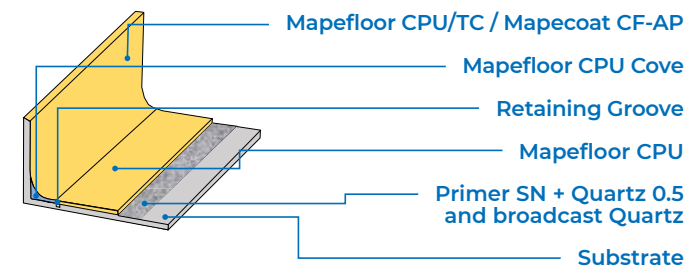


Environments: Food industry, Chemical and pharmaceutical industries, Wineries, Breweries, Beverage industry in general.

MAPEFLOOR CPU COVE POLYURETHANE

Cementitious polyurethane-based mortar with high chemical resistance and excellent mechanical properties for floor application.

- Seamless coatings with the possibility of smooth or non-slip finish
- High resistance to chemicals such as acids, alkalis, oils, grease, saline solutions, hydrocarbons, etc.
- High mechanical strength and resistance to abrasion

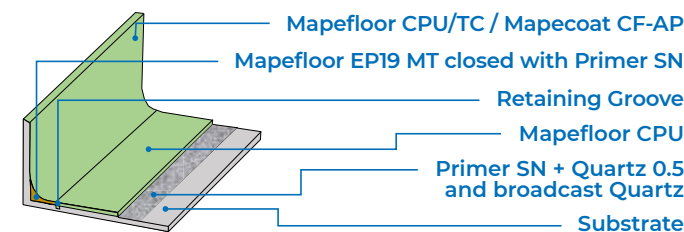


Environments: Food industry, Chemical and pharmaceutical industries, Wineries, Breweries, Beverage industry in general.

MAPEFLOOR CPU COVE EPOXY

Epoxy mortar with high chemical resistance and excellent mechanical properties for floor application.

- Seamless coatings with the possibility of smooth or non-slip finish
- High resistance to chemicals such as acids, alkalis, oils, grease, saline solutions, hydrocarbons, etc.
- High mechanical strength and resistance to abrasion

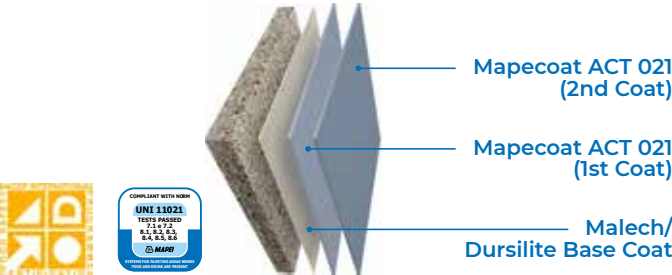


Environments: Food industry, Chemical and pharmaceutical industries, Wineries, Breweries, Beverage industry in general.

MAPECOAT ACT 021

Enamel wall paint with high cleanability and resistance to mould for internal surfaces, suitable for use in food and beverage environments.

- Resistant to cleaning cycles for long term protection
- Low levels of dirt pick-up and odour release
- Blocks the formation and spread of mould
- Resistant to changes in temperature



Environments: Kitchens, Dining rooms, Service corridors, Laundry rooms, Care units, Surgery rooms, Nursing homes, Biohazard rooms, Communal rooms.

MAPEFLOOR CPU COLOUR CHART

Note: the colours indicated are purely representative and may vary due to printing limitations.



Project references

- Boon Tong Kee, Singapore
- F & N Cola Cola Pte Ltd, Singapore
- SMC Food 21 Pte Ltd, PTP, Johor, Malaysia
- IOI Lodgers Croklaan Project, Johor, Malaysia
- Butterfield, Penang, Malaysia
- Lembaga Koko Malaysia, Nilai, Malaysia
- Kampung Koh Sauce (M) Sdn Bhd, Selangor, Malaysia
- Cargill, PKFZ, Selangor, Malaysia
- Taylor's University, Selangor, Malaysia
- Delfi Cocoa, Johor, Malaysia
- MYDIN Hypermarket, Negeri Sembilan, Malaysia
- Yeo Hiap Seng, Selangor, Malaysia

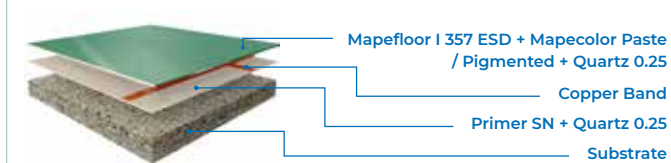



FLOORING SYSTEMS FOR CLEANROOM

Flooring systems for cleanroom - Overview

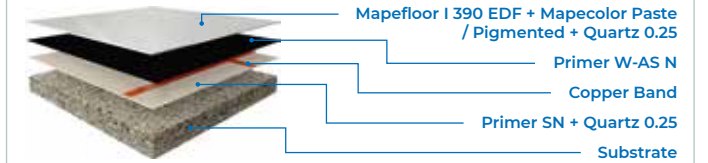
- Anti-static epoxy-based systems
- System for light-duty cleanroom floor and wall
- Systems for medium to heavy-duty cleanroom floor

MAPEFLOOR I 357 ESD



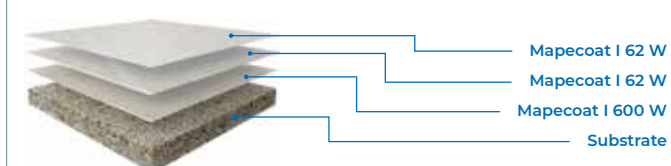
 Classification for particle emissions: ISO 3
Classification for VOC emissions: -7.9


MAPEFLOOR I 390 EDF



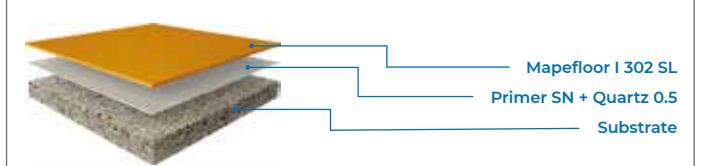
 Classification for particle emissions: ISO 3
Classification for VOC emissions: -7.9

MAPECOAT I 62 W



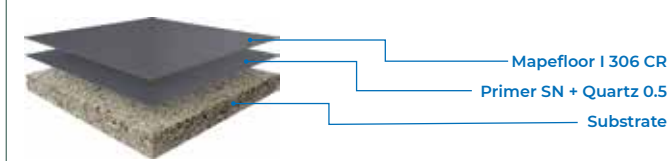
 Classification for particle emissions: ISO 5
Classification for VOC emissions: -7.1


MAPEFLOOR I 302 SL



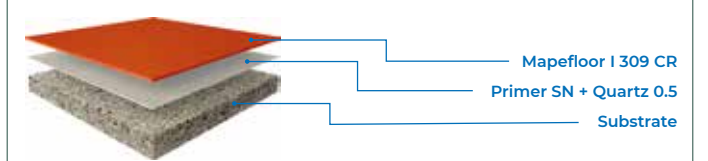
 Classification for particle emissions: ISO 3
Classification for VOC emissions: -5.7

MAPEFLOOR I 306 CR



 Classification for particle emissions: ISO 3
Classification for VOC emissions: -6.7

MAPEFLOOR I 309 CR



 Classification for particle emissions: ISO 2
Classification for VOC emissions: -9.6

Flooring systems for cleanroom



Cleanroom is defined as a controlled environment in which airborne particulates, contaminants and pollutants are kept within strict limits. In addition, the temperature, humidity, number of dimension of particles, quantity of volatile organic compounds, etc, have to be constantly monitored.

The cleanliness of the environment is a fundamental parameter in the manufacturing process of goods sensitive to contamination such as microchips, electronic devices, pharmaceuticals, photovoltaic films, hospitals, medical devices, food packing industries, etc.

There are many options for cleanroom wall and floor coverings – vinyl sheets, vinyl tiles, rubber flooring, normal painting of floors, raised flooring as well as wall and sealer coatings, etc. Epoxy and polyurethane flooring are one of the options for cleanroom. The advantages of these flooring are that it is seamless, non-particle shedding, easy to clean, has good abrasion resistance and is very durable. Furthermore, it can be customized to meet the requirements of each site.

Mapei flooring solutions for cleanroom

Mapei offer a diverse range of flooring solutions that can be tailored to suit different types of application and requirements.

Cleanrooms and cleanliness environments:

Pharmaceutical, chemical and foodstuff industries, dairy, wineries, breweries and beverage industries in general, sugar processing and mineral bottling plants, electronics industries, data centers, hospitals, electric or safety industries such as store rooms or areas used for storing and processing inflammable substances.

Our range of solutions encompass the following notable qualities:

- ⚡ **Electrically dissipative**
- 🛡️ **Resistant to most aggressive chemical products and microorganisms**
- 🛡️ **Highly resistant to wear and abrasion**
- 🛡️ **Seamless and joint free (no joints that trap dirt or dust)**
- 🧼 **Easy to clean**
- 🛡️ **Low maintenance**
- 🛡️ **Very low emission levels of VOC and micro-particles**
- 🛡️ **Durable and have excellent mechanical performance**
- 🛡️ **Dust-repellent**
- 🛡️ **Water permeable: allowing water to pass through without damaging the floor**
- 🛡️ **Adhere to international standards**

Anti-static conductive / dissipative floor coating systems

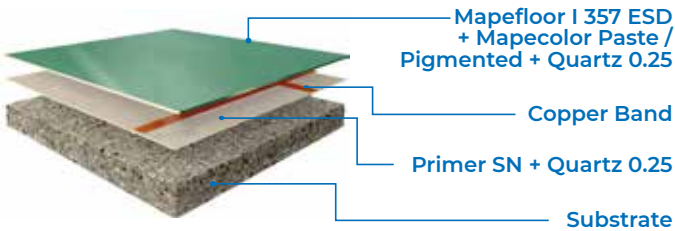
MAPEFLOOR I 357 ESD (1.5-2 mm),

Resistance to earth: $< 10^9 \text{ Ohm}$; System test: $< 10^9 \text{ Ohm}$; Body voltage generation $< 100 \text{ V}$

Two-component, self-levelling epoxy formulate for high strength, electrostatically conductive floor coating. Total thickness: 1.5 – 2 mm.

- ⚡ Electrically conductive, discharges build-up of static electricity to earthing points
- 🛡️ Dust and water repellent
- 🛡️ High resistance to wear and abrasion from continuous pedestrian traffic and frequent washing
- 🛡️ Resistant to most aggressive chemical products
- 🛡️ Smooth finish
- 🛡️ Compliance to IEC EN 61340-4-1 / IEC 61340-5 / IEC 61340-5-1

Environments: Electronics industry, Pharmaceuticals industry, Laboratories, Automotive industry, Warehouses, Sterile environments, Flammable rooms.

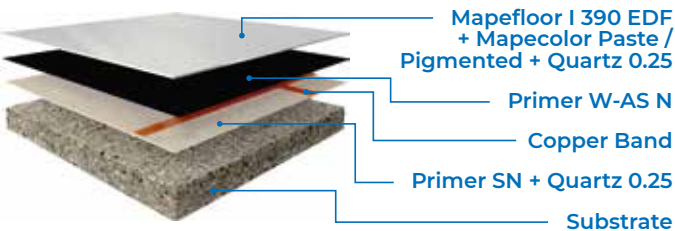


MAPEFLOOR I 390 EDF (1.5-2 mm), Resistance to earth: $10^6 < R_E < 10^9 \text{ Ohm}$

Two-component, self-levelling epoxy formulate for high strength, dissipative coatings. Total thickness: 1.5 – 2 mm.

- ⚡ Electrically conductive, discharges build-up of static electricity to earthing points
- 🛡️ Dust and water repellent
- 🛡️ High resistance to wear and abrasion from continuous pedestrian traffic and frequent washing
- 🛡️ Resistant to most aggressive chemical products
- 🛡️ Smooth finish

Environments: Electronics industry, Pharmaceuticals industry, Laboratories, Automotive industry, Warehouses, Sterile environments, Flammable rooms.



Classification for particle emissions: ISO 3
Classification for VOC emissions: -7.9



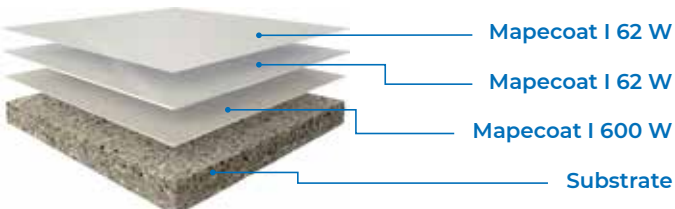
System for light-duty cleanroom floor and wall

MAPECOAT I 62 W

Epoxy coating in water dispersion with a gloss finish, developed specifically for coating the surface of walls and ceilings in cleanrooms.

- 🛡️ Easy to apply
- 🛡️ Solvent-free
- 🛡️ Low emission of volatile organic compounds and micro-particles
- 🛡️ Good mechanical and chemical resistance
- 🛡️ Dustproof surface; easy to clean and maintain
- 🛡️ Available in various RAL colours upon request
- 🛡️ Impermeable to oil and liquids in general

Environments: Cleanrooms with raised floors, Staircases, Ceilings, Walls and light storage areas.



Classification for particle emissions: ISO 5
Classification for VOC emissions: -7.1

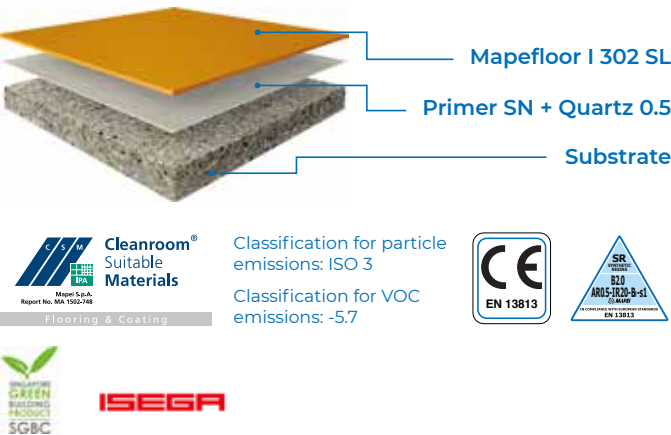


Systems for medium to heavy-duty cleanroom floor

MAPEFLOOR I 302 SL

Multipurpose epoxy formulate for industrial floors in compliance with standards applied to cleanrooms and food and beverage industry.

- Smooth or non-slip effect can be achieved
- Seamless surface with attractive finish
- Excellent resistance to attack from micro-organisms
- Highly resistant to chemicals and abrasion

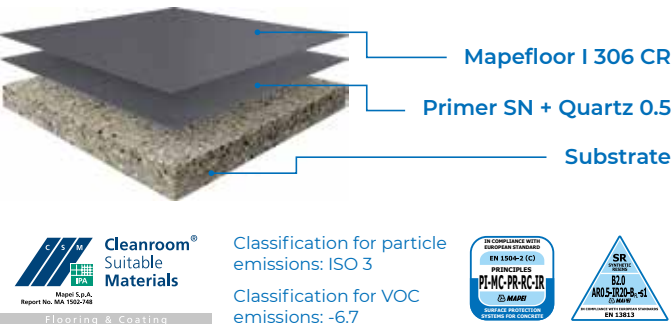


Environments: Cleanroom production, Storage, Laboratories, Changing rooms, Corridors, etc.

MAPEFLOOR I 306 CR

Low emission epoxy formulation for coating floors in cleanroom.

- Seamless surface with attractive finish
- Excellent resistance to attack from micro-organisms
- Highly resistant to chemicals and abrasion

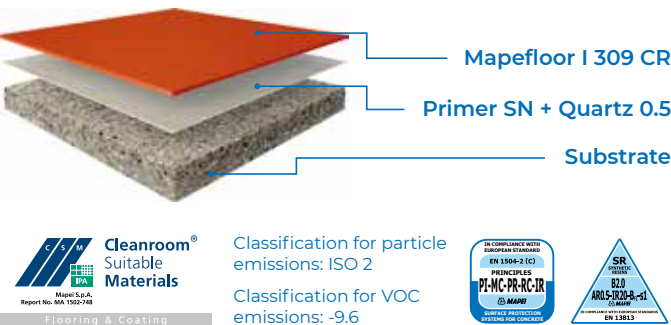


Environments: Cleanroom production, Storage, Laboratories, Changing rooms, Corridors, etc.

MAPEFLOOR I 309 CR

Epoxy formulate for coating floors in cleanroom and industrial floors.

- Smooth or non-slip effect can be achieved
- Seamless surface with attractive finish
- Excellent resistance to attack from micro-organisms
- Highly resistant to chemicals and abrasion



Environments: Cleanroom production, Storage, Laboratories, Changing rooms, Corridors, etc.

MAPECOLOR PASTE SP COLOUR CHART

Note: the colours indicated are purely representative and may vary due to printing limitations.



Project references

- Seagate, Singapore
- Solaris plant, Singapore
- Abbott Medical Optics, Malaysia
- BBCA Pharmaceuticals, Malaysia
- Goodrich, Malaysia
- 3M, China
- Huangchi Food, China
- Sandisk, China



FLOORING SYSTEMS FOR CARPARK

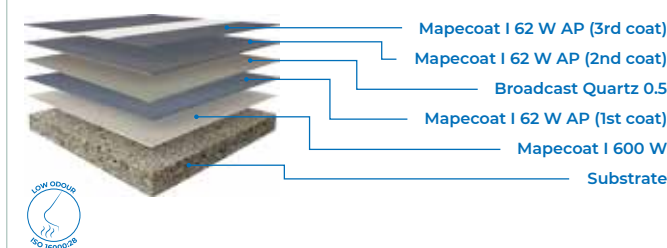
Flooring systems for carpark - Overview

Water-based carpark system

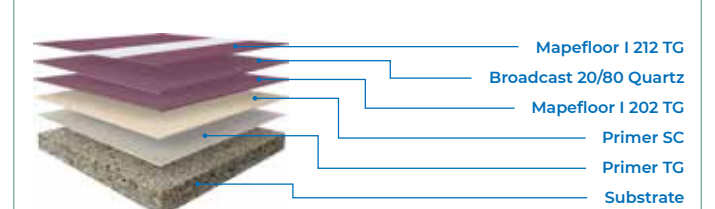
Epoxy-based carpark systems

Polyurethane-based carpark systems

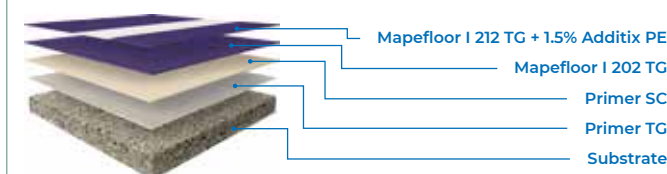
MAPECOAT I 62 W AP: ANTI-SLIP BROADCAST SYSTEM (0.8-1.5 mm)



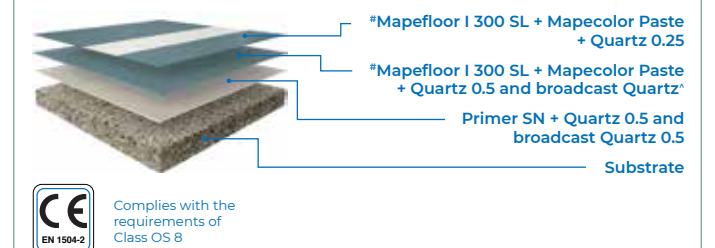
MAPEFLOOR PARKING SYSTEM TG: ANTI-SLIP BROADCAST SYSTEM



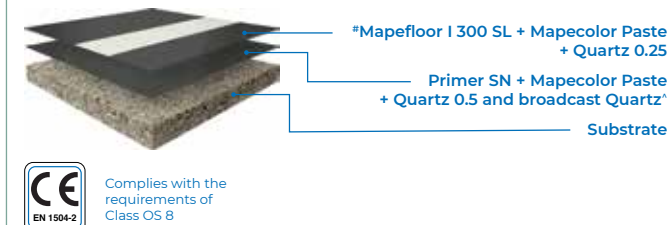
MAPEFLOOR PARKING SYSTEM TG: TEXTURED SYSTEM



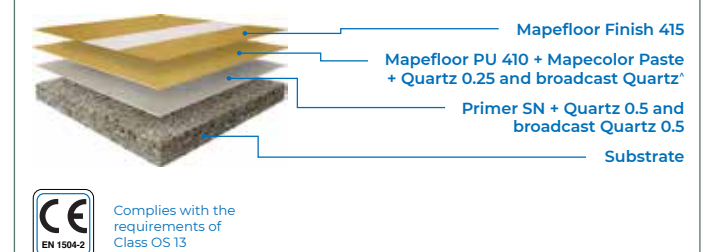
MAPEFLOOR PARKING SYSTEM RHT (3-3.5 mm)



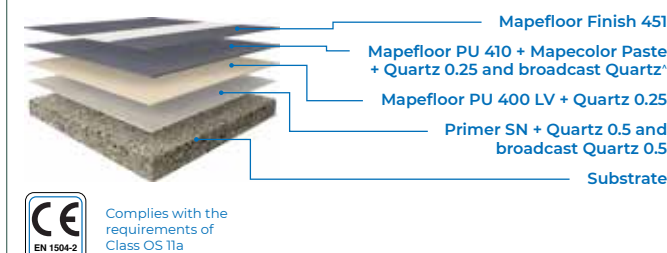
MAPEFLOOR PARKING SYSTEM RLТ (0.8-1.2 mm)



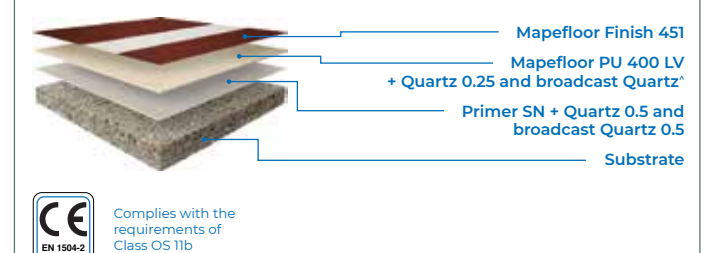
MAPEFLOOR PARKING SYSTEM ID (2-2.5 mm)



MAPEFLOOR PARKING SYSTEM HE (5-5.5 mm)



MAPEFLOOR PARKING SYSTEM ME (4-4.5 mm)



Flooring systems for carpark



Protecting the surface of concrete trafficked areas in structures designed for parking cars and vehicles is extremely important in order to preserve their functionality and durability to maintain a high level of safety and minimize maintenance costs.

The resin coating products used in the **Mapecoat Parking System** ensures a high level of protection for surfaces that may be adapted to suit a wide range of environmental conditions and installations.

Trafficked areas treated with **Mapecoat Parking System** are characterized by the following properties:

- ☑ **Surfaces are waterproof** – aggressive liquids are prevented from penetrating into the concrete and coming in contact with the reinforcing bars
- ☑ **Easy to maintain**
- ☑ **Highly durable**

**Depending on the type of system applied.*

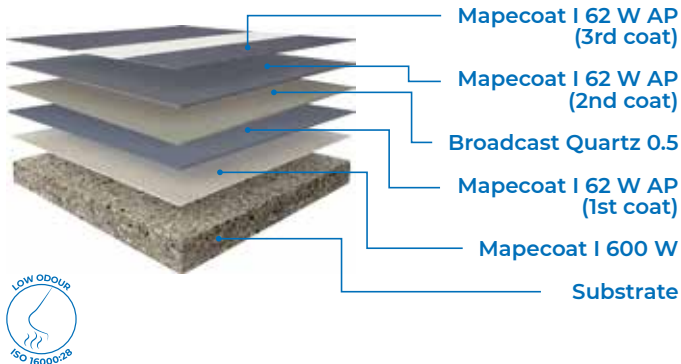
- ☑ **Slip-resistant finish** for safe travelling. The degree of slip resistance may be varied according to specific requirements
- ☑ **Good resistance to chemicals** such as oil, fuel, lubricants, etc.
- ☑ **High mechanical resistance** to the passage of vehicles
- ☑ **Flexible systems*** to ensure that surfaces remain impermeable, even if substrates settle slightly after applying the system
- ☑ May be applied on **external surfaces***
- ☑ Excellent **cost/performance ratio**
- ☑ **Attractive finish**, a wide range of colours are available for applying at different areas (e.g. trafficked areas for vehicles, pedestrian trafficked areas, horizontal road signs, etc.)

Water-based carpark system

MAPECOAT I 62 W AP: ANTI-SLIP BROADCAST SYSTEM (0.8-1.5 mm)

Two-component epoxy coating in water dispersion with a gloss finish, specifically developed for coating the surface of walls and ceilings. Total thickness: 0.8 – 1.5 mm.

- ☑ Solvent-free
- ☑ Low emission of volatile organic compounds and micro-particles
- ☑ Good mechanical and chemical resistance
- ☑ Dustproof surface; easy to clean and maintain



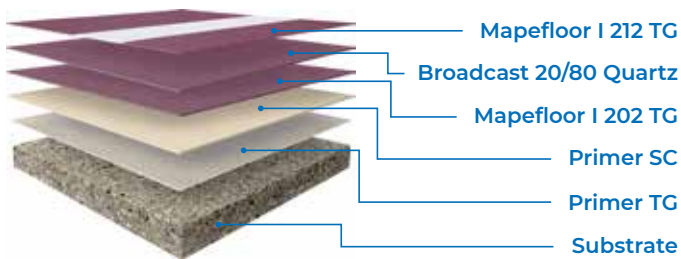
Environments: Low cost water-based epoxy parking structures, Damp environments like lower basement decks, Residential buildings (e.g. condominiums, apartments, etc.), and Public buildings (e.g. schools, universities, etc.).

Epoxy-based carpark systems

MAPEFLOOR PARKING SYSTEM TG: ANTI-SLIP BROADCAST SYSTEM

Epoxy coloured wearing coat for anti-slip broadcast carpark system.

- ☑ Excellent resistance to wear and mechanical stress
- ☑ High resistance to chemical products such as oil, fuel, lubricants, diluted acids and base solutions, etc.
- ☑ For internal surfaces

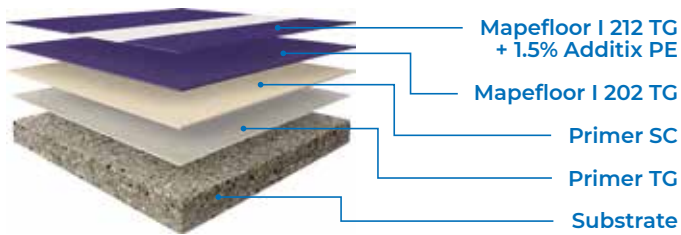


Environments: Deck coating system for multi-storey structures, Commercial buildings (e.g. shopping malls, retail stores, hotels, resorts, office building), Public buildings (e.g. buses and trains terminals, hospitals, medical centers, airport), Manufacturing.

MAPEFLOOR PARKING SYSTEM TG: TEXTURED SYSTEM

Epoxy coloured wearing coat for textured carpark system.

- ☑ Slip-resistant
- ☑ Excellent resistance to wear and mechanical stress
- ☑ High resistance to chemical products such as oil, fuel, lubricants, diluted acids and base solutions, etc.
- ☑ For internal surfaces

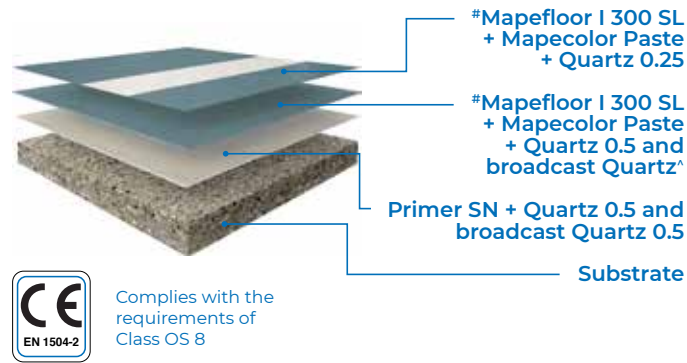


Environments: Deck coating system for multi-storey structures, Commercial buildings (e.g. shopping malls, retail stores, hotels, resorts, office building), Public buildings (e.g. buses and trains terminals, hospitals, medical centers, airport), Manufacturing.

MAPEFLOOR PARKING SYSTEM RHT (3-3.5 mm)

Multi-layered seamless epoxy coating system for pedestrian areas and areas with vehicular access subjected to intense use. Total thickness: 3 – 3.5 mm.

- Slip-resistant
- Excellent resistance to wear and mechanical stress
- High resistance to chemical products such as oil, fuel, lubricants, diluted acids and base solutions, etc.



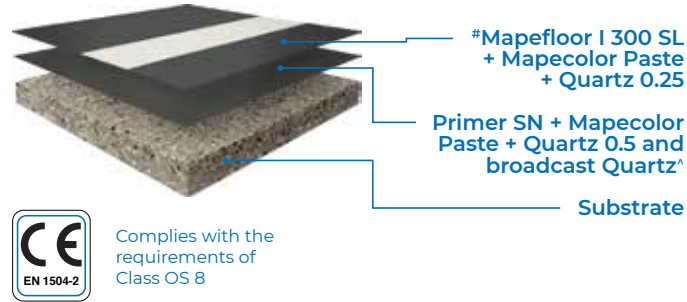
*#Mapefloor I 300 SL can be replaced with Mapefloor I 312 or Mapefloor I 212 TG. *Quartz size: 0.5 – 1.2 mm.*

Environments: Deck coating system for multi-storey structures, Commercial buildings (e.g. shopping malls, retail stores, hotels, resorts, office building), Public buildings (e.g. buses and trains terminals, hospitals, medical centers, airport), Manufacturing.

MAPEFLOOR PARKING SYSTEM RLT (0.8-1.2 mm)

Multi-layered seamless epoxy coating system for pedestrian areas and areas with vehicular access subjected to light use. Total thickness: 0.8 – 1.2 mm.

- Slip-resistant
- Excellent resistance to wear and mechanical stress
- High resistance to chemical products such as oil, fuel, lubricants, diluted acids and base solutions, etc.
- For internal surfaces



*#Mapefloor I 300 SL can be replaced with Mapefloor I 312 or Mapefloor I 212 TG. *Quartz size: 0.5 – 1.2 mm.*

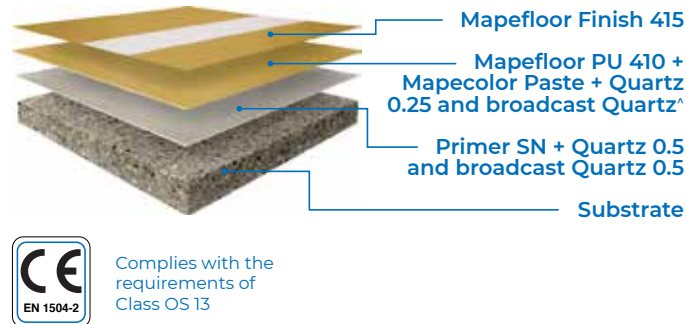
Environments: Deck coating system for multi-storey structures, Commercial buildings (e.g. shopping malls, retail stores, hotels, resorts, office building), Public buildings (e.g. buses and trains terminals, hospitals, medical centers, airport), Manufacturing.

Polyurethane-based carpark systems

MAPEFLOOR PARKING SYSTEM ID (2-2.5 mm)

Multi-layered seamless polyurethane coating system with good dynamic crack-bridging capacity for pedestrian areas and areas with vehicular access subjected to intense use to protect internal parking areas. Total thickness: 2 – 2.5 mm.

- Flexible
- Slip-resistant
- Excellent resistance to wear and mechanical stress
- Suitable for creating strong, waterproof coatings with high chemical resistance on internal surfaces, including those subjected to moderate variations in temperature



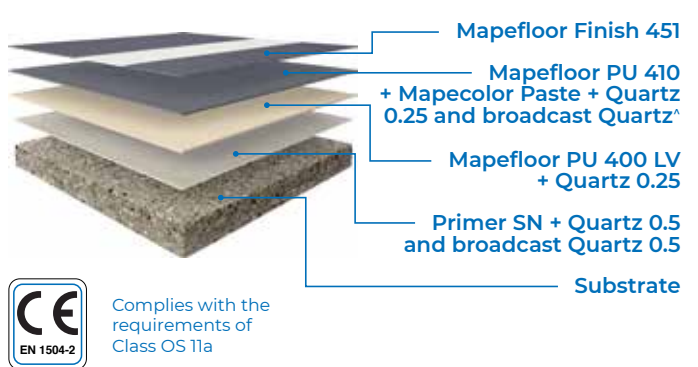
**Quartz size: 0.5 – 1.2 mm.*

Environments: Deck coating system for multi-storey structures, Commercial buildings (e.g. offices, shopping malls, retail stores, hotels, theme park, resorts, etc.), Public buildings (e.g. hospitals, medical centers, airports, etc.).

MAPEFLOOR PARKING SYSTEM HE (5-5.5 mm)

Multi-layered seamless polyurethane coating system with high dynamic crack-bridging capacity for pedestrian areas and areas with vehicular access subjected to intense use, and to protect parking areas even outdoor. Total thickness: 5 – 5.5 mm.

- Highly flexible
- Slip-resistant
- Crack-bridging capacity up to -20°C.
- Suitable for creating strong, waterproof coatings with high chemical resistance on both internal and external surfaces



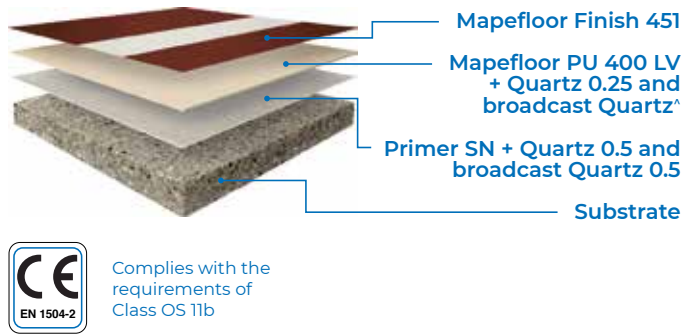
**Quartz size: 0.5 – 1.2 mm.*

Environments: Deck coating system for multi-storey structures, Commercial buildings (e.g. offices, shopping malls, retail stores, hotels, theme park, resorts, etc.), Public buildings (e.g. hospitals, medical centers, airports, etc.).

MAPEFLOOR PARKING SYSTEM ME (4-4.5 mm)

Multi-layered seamless polyurethane coating system with high dynamic crack-bridging capacity for pedestrian areas and areas with vehicular access subjected to intense use, and to protect parking areas even outdoor. Total thickness: 4 – 4.5 mm.

- Slip-resistant
- Crack-bridging capacity at temperatures up to -20°C.
- Suitable for creating strong, impermeable and waterproof coatings with high chemical resistance on internal surfaces, including those subjected to variations in temperature



**Quartz size: 0.5 – 1.2 mm.*

Environments: Deck coating system for multi-storey structures, Commercial buildings (e.g. offices, shopping malls, retail stores, hotels, theme park, resorts, etc.), Public buildings (e.g. hospitals, medical centers, airports, etc.).



Project references

- | | |
|---|--|
| Canossian Convent Primary School, Singapore | Air Asia House "RedQuarters", Malaysia |
| Connexion @ Farrer Park, Singapore | TSM Mutiara Damansara Office Tower, Malaysia |
| Tai Seng Industrial Park, Singapore | Chongqing Airport, China |
| KK Women's & Children's Hospital, Singapore | Daxing International Airport, China |
| OCBC Building, Singapore | Fuzhou Taihot Plaza, China |
| Park Hotel at Clark Quay, Singapore | Trust Leisure Garden, Macau |

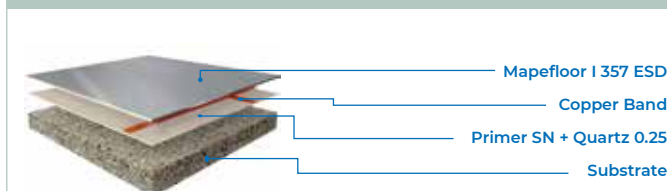


FLOORING SYSTEMS FOR ELECTRONIC INDUSTRY

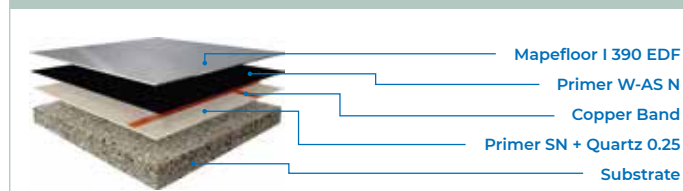
Flooring systems for electronic industry - Overview

- Anti-static conductive / dissipative floor coating systems
- High chemical-resistant coating systems
- Epoxy floor and wall coating systems
- Supplementary systems

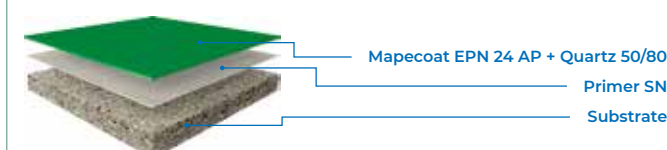
MAPEFLOOR I 357 ESD (1.5-2 mm)



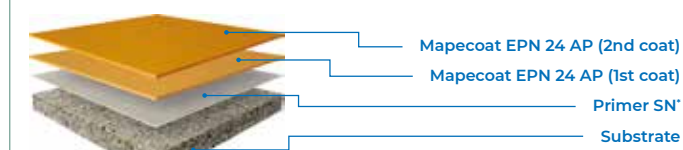
MAPEFLOOR I 390 EDF (1.5-2 mm)



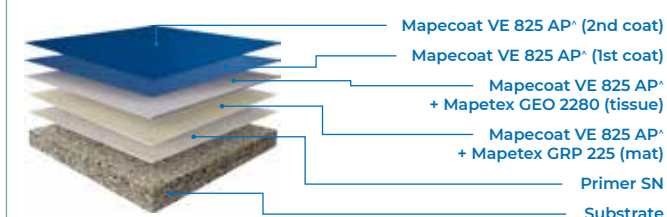
MAPECOAT EPN 24 AP: SELF-LEVELLING SYSTEM (2 mm)



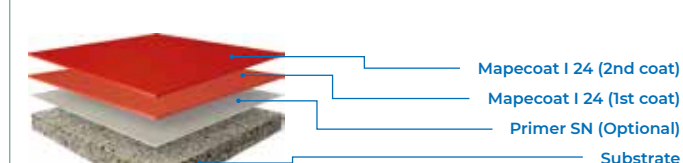
MAPECOAT EPN 24 AP: ROLLER COAT SYSTEM (0.3-0.5 mm)



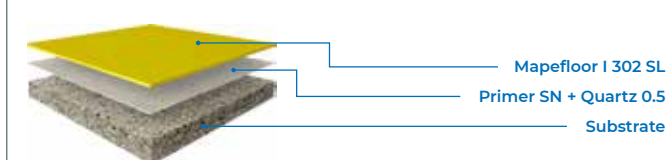
MAPECOAT VE 825 AP (2-3 mm)



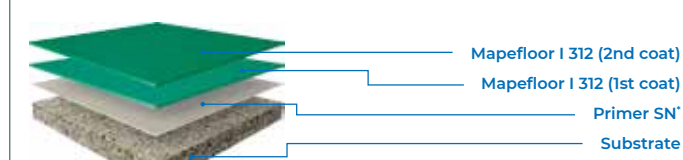
MAPECOAT I 24 (0.3-0.5 mm)

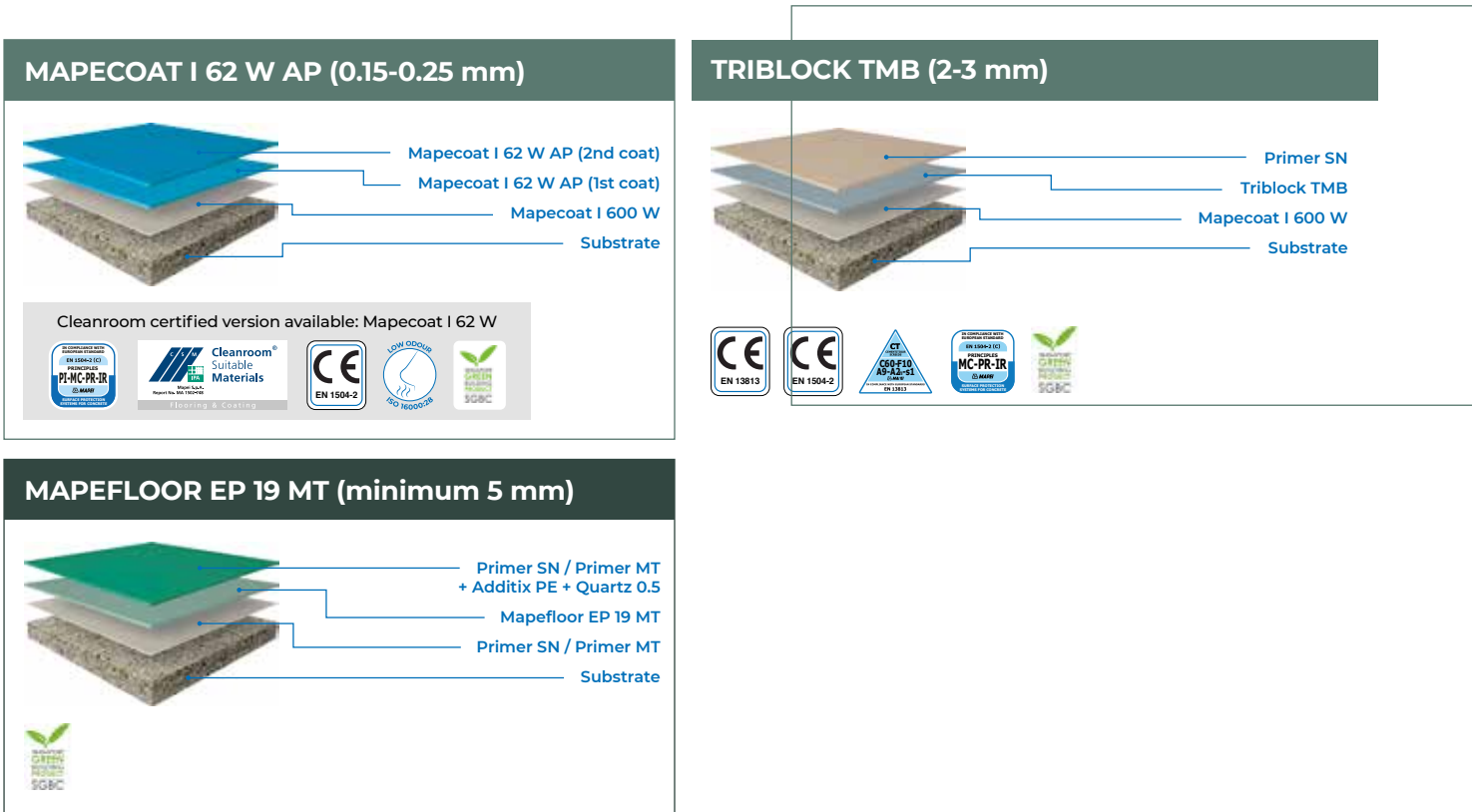


MAPEFLOOR I 302 SL: SELF-LEVELLING SYSTEM (2 mm)



MAPEFLOOR I 312: ROLLER COAT SYSTEM (0.3-0.5 mm)





Flooring systems for electronic industry



The semiconductor and electronics industry contain expensive equipment and components which are easily exposed to static charge within a given space and can be irreversibly damaged. In addition to damaged equipment, built-up charges can put workers and the facility at risk. Floor coatings with high performance ESD flooring are therefore a necessity.

Mapei offers a range of anti-static conductive / dissipative floor coating systems, high chemical-resistant coating systems, epoxy floor and wall coating systems that can suit different types of application.

- Low Volatile Organic Compound (VOC)
- Chemical-resistant
- Environmental protection
- Durable
- Long warranty
- Conductive systems
- Easy to clean
- Adhere to international standards

Anti-static conductive / dissipative floor coating systems

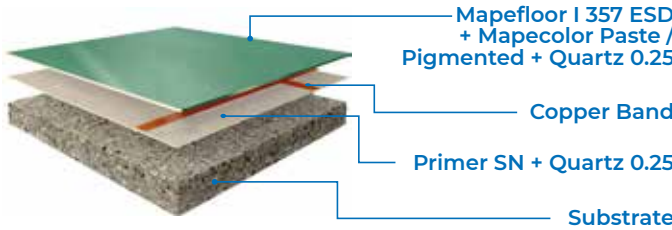
MAPEFLOOR I 357 ESD (1.5-2 mm),

Resistance to earth: $< 10^9$ Ohm; System test: $< 10^9$ Ohm; Body voltage generation < 100 V

Two-component, self-levelling epoxy formulate for high strength, electrostatically conductive floor coating. Total thickness: 1.5 – 2 mm.

- Electrically conductive, discharges build-up of static electricity to earthing points
- Dust and water repellent
- High resistance to wear and abrasion from continuous pedestrian traffic and frequent washing
- Resistant to most aggressive chemical products
- Smooth finish
- Compliance to IEC EN 61340-4-1 / IEC 61340-5-1

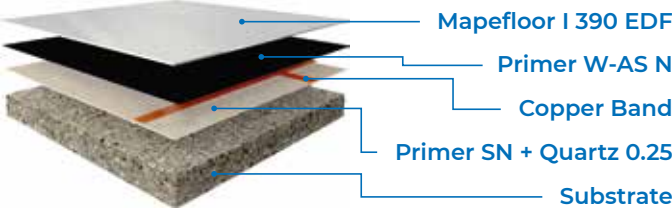
Environments: Electronics industry, Pharmaceuticals industry, Laboratories, Automotive industry, Warehouses, Sterile environments, Flammable rooms.



MAPEFLOOR I 390 EDF (1.5-2 mm), Resistance to earth: $10^6 < R_E < 10^9$ Ohm

Anti-static, dissipative, self-levelling epoxy coating for floors. Total thickness: 1.5 – 2 mm.

- Chemical resistant
- High mechanical strength
- Waterproof
- Resistant to dust
- Treated surfaces are easier to clean



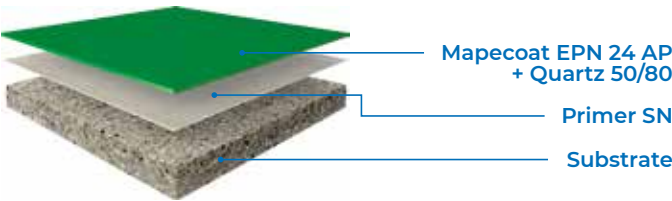
Environments: Electronics industry, Pharmaceuticals industry, Laboratories, Automotive industry, Warehouses, Sterile environments, Flammable rooms.

High chemical-resistant coating systems

MAPECOAT EPN 24 AP: SELF-LEVELLING SYSTEM (2 mm)

Chemical-resistant novolac epoxy self-levelling system. Total thickness: 2 mm.

- Resistant to chemicals - acids, alkalis, salts, oils and hydrocarbons
- Abrasion resistant
- Suitable for floors subject to medium and heavy traffic
- May be applied as a self-smoothing system or as an anti-slip system
- Solvent-free



Environments: Production areas, Storage areas including tanks, Laboratories, Pharmaceutical plants, Areas requiring high chemical and mechanical protection.

MAPECOAT EPN 24 AP: ROLLER COAT SYSTEM (0.3-0.5 mm)

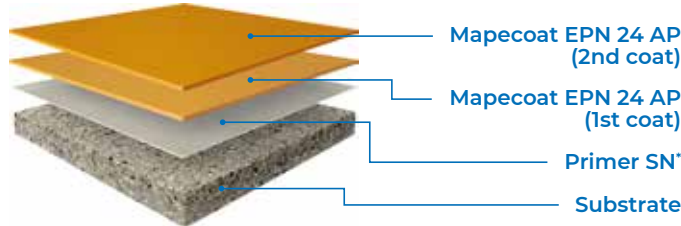
Chemical-resistant novolac epoxy roller coat system.
Total thickness: 0.3 – 0.5 mm.

- Resistant to chemicals - acids, alkalis, salts, oils and hydrocarbons
- Abrasion resistant
- Suitable for walls and floors subject to medium and heavy traffic
- May be applied as a self-smoothing system or as an anti-slip system
- Solvent-free

**For anti-slip, broadcast Quartz sand (final system thickness will be 1 – 1.5 mm).*

It can be applied as a self-levelling coat at 2mm thickness.

Environments: Production areas, Storage areas including tanks, Laboratories, Pharmaceutical plants, Areas requiring high chemical and mechanical protection.



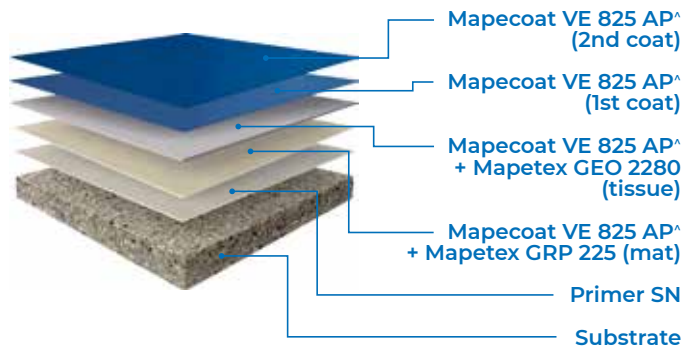
MAPECOAT VE 825 AP (2-3 mm)

Chemical and abrasion-resistant vinyl ester coating for tank lining. Total thickness: 2 – 3 mm.

- Rapid installation
- High chemical resistance
- Cold temperature resistance of up to -196°C
- High temperature resistance of up to 104°C
- High tensile strength

**Colour: Grey 7040.*

Environments: WWTP, DI Water Tank, Firewater Tank, Process Water Tank, Chemical spillage areas, Chemical storage, Petrochemical industry, Pits, Wastewater treatment tanks.

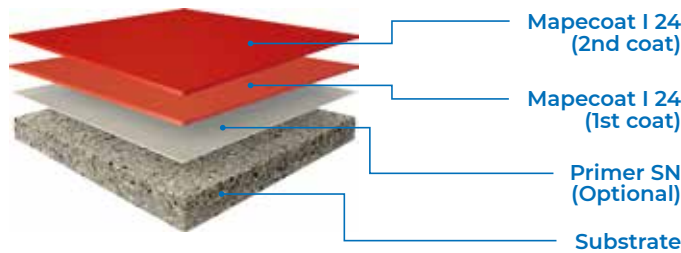


MAPECOAT I 24 (0.3-0.5 mm)

Chemical-resistant epoxy coating for concrete tanks, pipes, reservoirs. Total thickness: 0.3 – 0.5 mm.

- Resistant to chemicals - acids, alkalis, salts, oils, hydrocarbons and solvents
- Resist frost

Environments: Sewage pipes, Purification tanks, Industrial floorings, Storage tanks for oil, hydrocarbons, first-flush rainwater, etc.

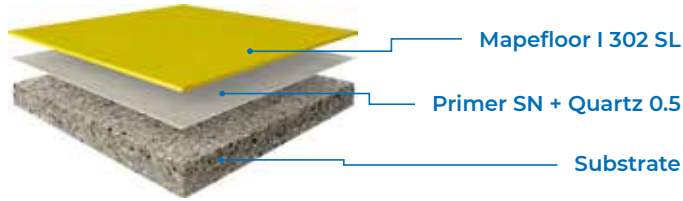


Epoxy floor and wall coating systems

MAPEFLOOR I 302 SL: SELF-LEVELLING SYSTEM (2 mm)

Multipurpose epoxy self-levelling system for floors.
Total thickness: 2 mm.

- Chemical-resistant
- Low VOC out-gassing
- Resistant to attack from micro-organisms
- High mechanical performance

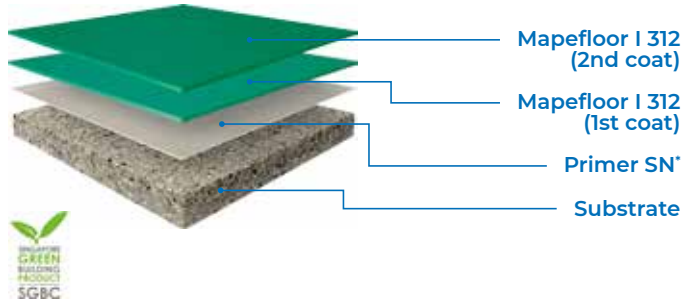


Environments: Wafer fab cleanrooms, Chemical and pharmaceutical industries, Cleanrooms in various industries, such as optics sector, electronics, etc., Foodstuffs industry, Laboratories, Aseptic rooms, Mechanised warehouses.

MAPEFLOOR I 312: ROLLER COAT SYSTEM (0.3-0.5 mm)

Epoxy roller coat system for walls and floors.
Total thickness: 0.3 – 0.5 mm.

- May be used as a thin self-smoothing or textured coating
- Safe for the environment, contains no nonylphenol
- Excellent resistance to chemicals and wear



**For anti-slip, broadcast Quartz sand (final system thickness will be 1 – 1.5 mm).*

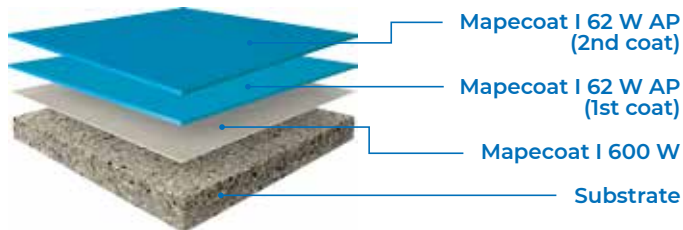
Environments: Laboratories, Sterile rooms, Aseptic rooms, Mechanized warehouses, Warehouse, Store Rooms, In-coming feedstock area.

Environments: Wafer fab cleanrooms, Chemical and pharmaceutical industries, Cleanrooms in various industries, such as optics sector, electronics, etc., Foodstuffs industry, Laboratories, Aseptic rooms, Mechanised warehouses.

MAPECOAT I 62 W AP (0.15-0.25 mm)

Dustproof epoxy coating for floors, walls and ceilings.
Total thickness: 0.15 – 0.25 mm.

- Easy to apply
- Water-based, solvent-free
- Low emission of volatile organic compounds and micro-particles
- Good mechanical and chemical resistance
- Dustproof surface; easy to clean and maintain



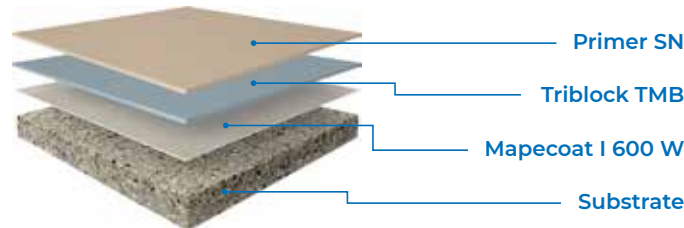
Environments: Electrical rooms - switch rooms and transformer rooms, Areas with light vehicle and foot traffic, Damp areas such as car-washes, agricultural and industrial warehouses, etc., Cementitious surfaces in cleanrooms.

Supplementary systems

TRIBLOCK TMB (2-3 mm)

Three-component, self-levelling, epoxy-cementitious moisture barrier for damp substrates to allow installation of resin floor coatings. Total thickness: 2 – 3 mm.

- Fast-curing; may be coated after just 24 hours (at +20°C and 75% R.H.)
- Excellent adhesion to concrete and with successive resin coatings
- Reduces the risk of blisters and/or detachment of successive waterproof coatings
- Excellent mechanical strength
- Solvent-free

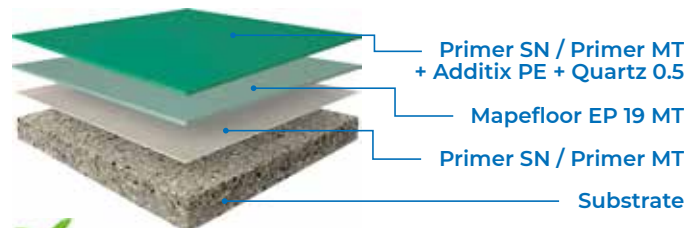


Environments: Levelling layer on damp concrete flooring (not completely cured) or subject to capillary rising damp from the substrate, Levelling layer on rough concrete flooring or concrete flooring roughened by grinding, Smoothing over damp concrete surfaces before applying epoxy or polyurethane coatings, Thin repair layers on the surface of damp substrates which do not require a particularly attractive finish, Repair and maintenance work on monolithic or steam-cured concrete floors.

MAPEFLOOR EP 19 MT (minimum 5 mm)

High-strength epoxy mortar for concrete floors subjected to high mechanical and abrasion loads and heavy traffic or as a moisture-tolerant underlayment for resin floors. Minimum thickness: 5 mm.

- High impact resistance
- Moisture tolerant barrier
- Hardens without remarkable shrinkage
- Good resistance to aggressive chemical agents



Environments: Loading/unloading Bay, Wear-resistant beds for machinery, beams, etc., Rebuilding the corners of expansion joints in industrial flooring damaged by impact, Filling holes, levelling off surfaces, Foundation pads for depuration plants and concrete drain pipes, Ramps, silo beds, and concrete floors subject to heavy traffic.

MAPECOLOR PASTE SP COLOUR CHART

Note: the colours indicated are purely representative and may vary due to printing limitations. Other RAL colours are available upon request.



Project references

- Bosch warehouse, China
- Sandisk cleanroom, China
- Tianma Micro Electronics Co., Ltd production and packaging area, China
- Dodid Data Centre at 71 Tagore Lane, Singapore
- Factory at 9 Tuas View Lane, Singapore
- Seagate, Singapore
- Solaris plant and cleanroom, Singapore
- BH Electronics Sdn Bhd production floor, Malaysia
- Samtec Plant cleanroom, Malaysia
- Aviation Services Research Centre (ASRC) research workshop, Hong Kong



FLOORING SYSTEMS FOR HOSPITALS AND NURSING HOMES

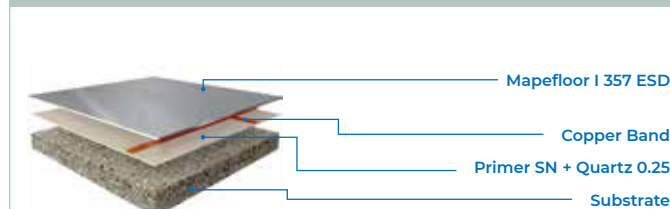


Flooring systems for hospitals and nursing homes - Overview

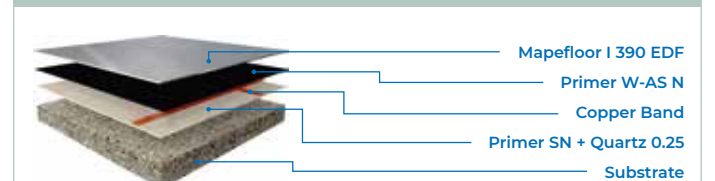
Floor systems for hospitals and nursing homes

Wall systems for hospitals and nursing homes

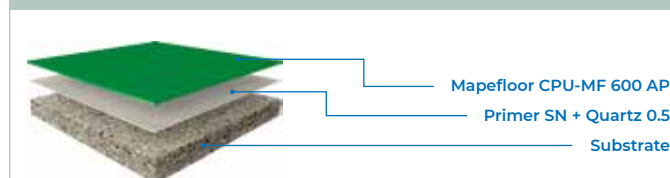
MAPEFLOOR I 357 ESD (1.5-2 mm)



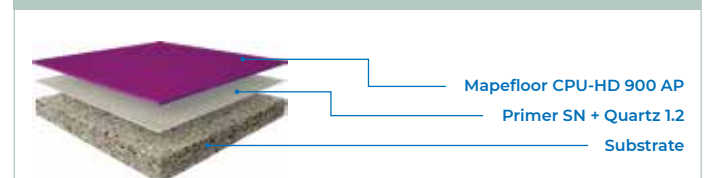
MAPEFLOOR I 390 EDF (1.5-2 mm)



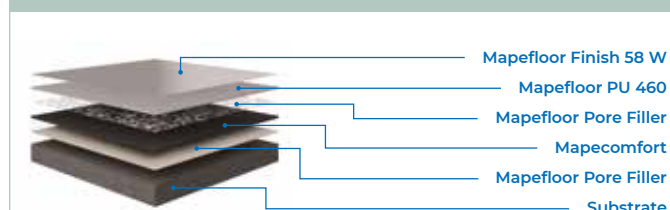
MAPEFLOOR CPU-MF 600 AP (3-6 mm)



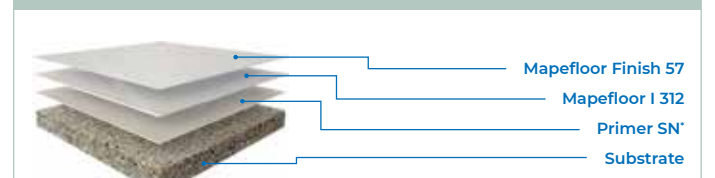
MAPEFLOOR CPU-HD 900 AP (6-9 mm)



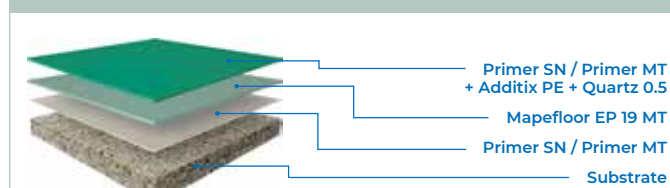
MAPEFLOOR COMFORT SYSTEM AR/X (6 mm)

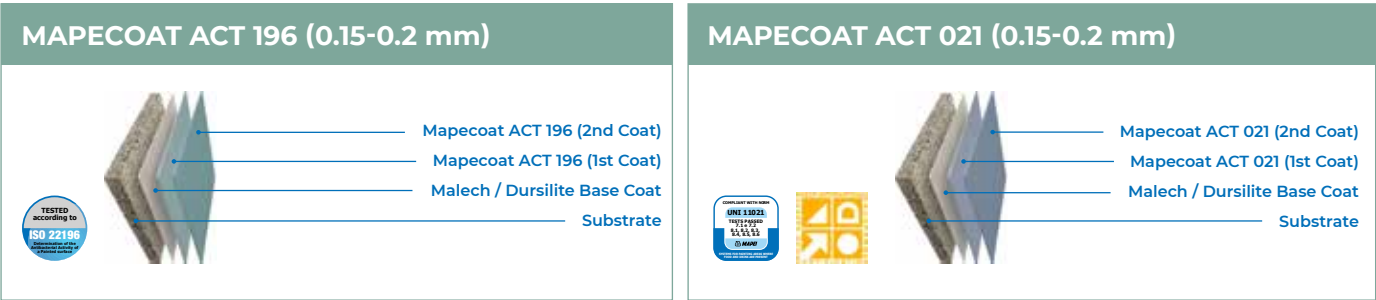


MAPEFLOOR FINISH 57: PU FLOORING (0.3-0.5 mm)



MAPEFLOOR EP 19 MT (minimum 5 mm)





Flooring systems for hospitals and nursing homes



Hospitals and medical environment require very high standard of hygiene. Surfaces in these environments must be kept clean which typically involves frequent cleaning and disinfecting. Coatings must be able to withstand rounds of chemical cleaning, have low odour and VOC, and most importantly, inhibit the growth of pathogens. In operating theatres and specific medical rooms that contain expensive equipment and components which are easily exposed to static charges, anti-static coatings are required.

Mapei offers a range of acrylic, epoxy and polyurethane coatings for walls and floors that encompass the above requirements suitable for the hospital and medical environment. Our coatings are:

- Chemical-resistant
 - Electrically dissipative
 - Seamless, easy to clean
 - Durable
- Dust repellent
 - Waterproof
 - Thermo shock resistant
 - Adhere to international standards

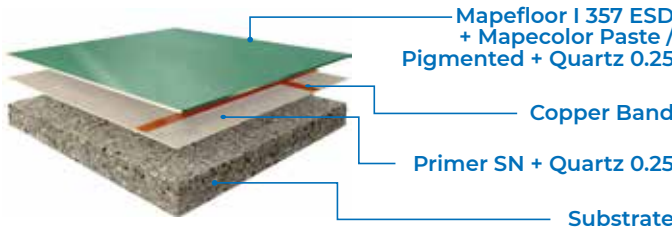
Floor systems for hospitals and nursing homes

MAPEFLOOR I 357 ESD (1.5-2 mm),
Resistance to earth: $< 10^9$ Ohm; System test: $R_E < 10^6$ Ohm; Body voltage generation < 100 volt

Two-component, self-levelling epoxy formulate for high strength, electrostatically conductive floor coating. Total thickness: 1.5 – 2 mm.

- Electrically conductive, discharges build-up of static electricity to earthing points
- Dust and water repellent
- High resistance to wear and abrasion from continuous pedestrian traffic and frequent washing
- Resistant to most aggressive chemical products
- Smooth finish
- Compliance to IEC EN 61340-4-1 / IEC 61340-4-5 / IEC 61340-5-1

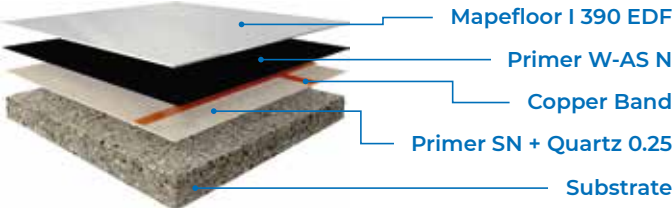
Environments: Electronics industry, Pharmaceuticals industry, Laboratories, Automotive industry, Warehouses, Sterile environments, Flammable rooms.



MAPEFLOOR I 390 EDF (1.5-2 mm), Resistance to earth: $10^6 < R_E < 10^9$ Ohm

Anti-static, dissipative, self-levelling epoxy coating for floors. Total thickness: 1.5 – 2 mm.

- High mechanical strength
- Waterproof
- Resistant to dust
- Treated surfaces are easier to clean
- System put rapidly into service

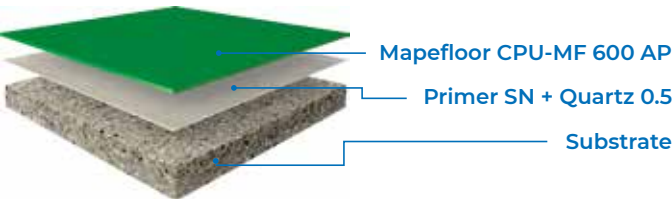


Environments: Pharmaceutical industry, Laboratories and operating theatres, Warehouses, Sterile environments, LAN rooms, Server rooms.

MAPEFLOOR CPU-MF 600 AP (3-6 mm)

Cement-polyurethane coating for medium to heavy-duty floors. Total thickness: 3 – 6 mm.

- High chemical resistance
- Hard wearing
- Resistance to thermal shocks from -5°C to +100°C
- Resistant to bacterial growth

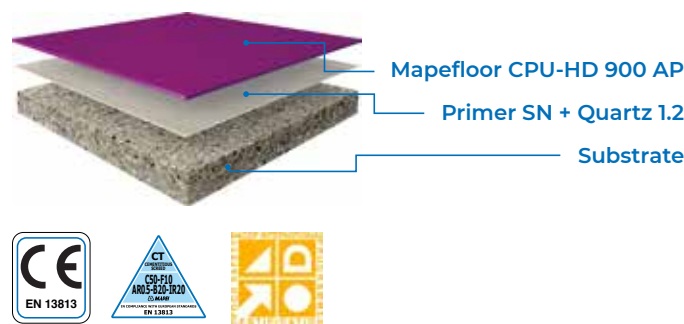


Environments: Main kitchen areas, Decontamination rooms, Biohazard rooms, Cryogenic storage areas, AGV floor, Pallet jack movement floor.

MAPEFLOOR CPU-HD 900 AP (6-9 mm)

Cement-polyurethane coating for heavy-duty floors. Total thickness: 6 – 9 mm.

- High chemical resistance
- High mechanical strength
- Hygienic finish: resistant to bacterial growth
- Abrasion resistant
- Resistance to thermal shocks from -35°C to +140°C

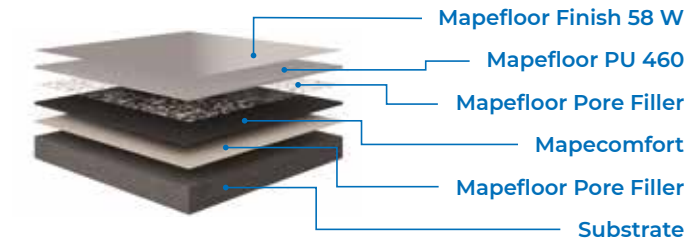


Environments: Main kitchen areas, Decontamination rooms, Biohazard rooms, Cryogenic storage area.

MAPEFLOOR COMFORT SYSTEM AR/X (6 mm)

Elastic self-levelling polyurethane coating for internal floors. Total thickness: 6 mm.

- Easy to apply and maintain
- Comfortable underfoot
- Low emission level of VOC
- Impact resistant
- Reduce noise levels

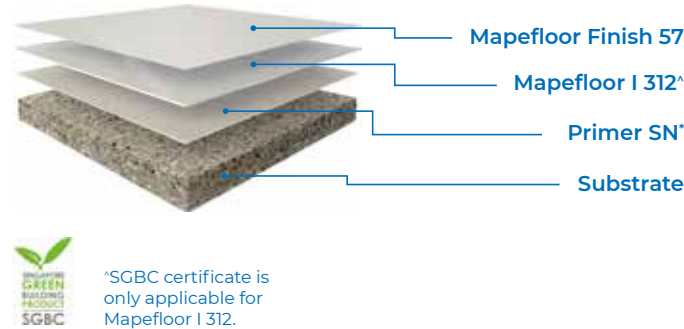


Environments: Childrens' play area, Physiotherapy unit, Geriatric care unit, Nursing homes, Rehabilitation centres, Exercise gym, Multipurpose hall areas.

MAPEFLOOR FINISH 57: PU FLOORING (0.3-0.5 mm)

UV-stable, anti-skid, hard-wearing polyurethane floor coating with very good abrasion and chemical resistance performance, for high traffic areas. Total thickness: 0.3 – 0.5 mm.

- UV stable
- Anti-skid, Crack bridging
- Versatile, may be used as a thin self-smoothing or textured coating
- Contains no nonylphenol, suitable for the foodstuffs industry
- Excellent resistance to chemicals and wear



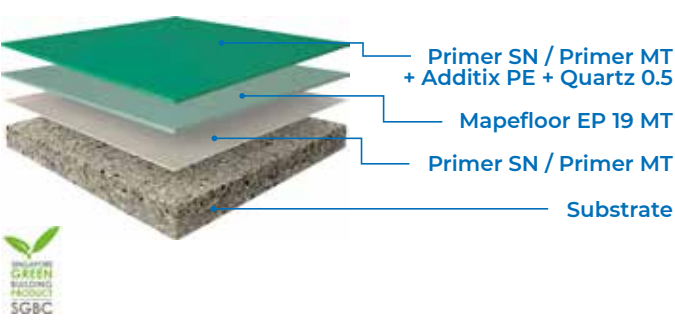
*For anti-slip, broadcast Quartz sand (final system thickness will be 1 – 1.5 mm).

Environments: Chemicals and pharmaceutical industries, Foodstuffs industry, Laboratories, Sterile rooms and hospitals, Aseptic rooms, Mechanized warehouses, Retail areas.

MAPEFLOOR EP 19 MT (minimum 5 mm)

High-strength epoxy mortar for concrete floors subjected to high mechanical and abrasion loads and heavy traffic or as a moisture-tolerant underlayment for resin floors. Minimum thickness: 5 mm.

- High abrasion resistance
- High impact resistance
- Moisture tolerant barrier
- Hardens without remarkable shrinkage
- Good resistance to aggressive chemical agents



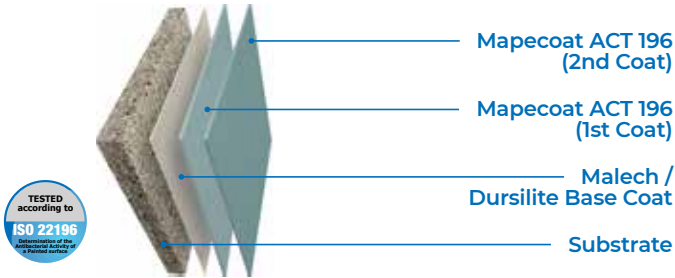
Environments: Trolley staging, Cutlery packing, Trolley washing, Dishwashing, Detergent room, Mortuary and hearse waiting area, Lowest basement car park lots and driveway, Loading/unloading bay.

Wall systems for hospitals and nursing homes

MAPECOAT ACT 196 (0.15-0.2 mm)

Anti-microbial, anti-mould and fungi acrylic-based coating for internal wall. Total thickness: 0.15 – 0.2 mm.

- Blocks the growth and impedes the spread of bacteria
- Resistant against mould and fungi
- Excellent resistance to cleaning cycles
- Low dirt pick-up
- Easy to clean, reduces maintenance costs

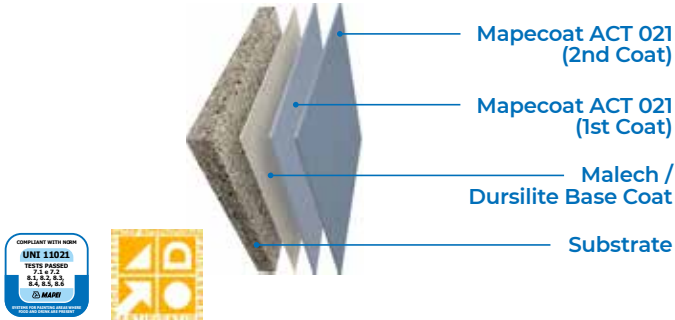


Environments: Care units, Surgery rooms, Nursing homes, Biohazard rooms, Communal rooms.

MAPECOAT ACT 021 (0.15-0.2 mm)

Anti-mould and anti-fungi acrylic-based coating for internal walls, complying with HACCP protocol. Total thickness: 0.15 – 0.2 mm.

- Blocks the growth and impedes the spread of bacteria
- Blocks the formation and spread of mould
- Excellent resistance to cleaning cycles
- Resistant to changes in temperature
- Low dirt pick-up and odour release



Environments: Kitchens, Dining rooms, Service corridors, Laundry rooms, Care units, Surgery rooms, Nursing homes, Biohazard rooms, Communal rooms.

MAPECOLOR PASTE SP COLOUR CHART

Note: the colours indicated are purely representative and may vary due to printing limitations. Other RAL colours are available upon request.



Project references

- Singapore General Hospital, Singapore
- Alpha Laboratory, New Zealand
- Nephroxenia Dialysis Center, Greece
- Niguarda Hospital, Italy
- Sansepolcro Hospital, Italy
- Locri Hospital, Italy
- Bispebjerg Hospital lab and logistics building, Denmark
- Danish Central Hospital Sterilization Center, Denmark





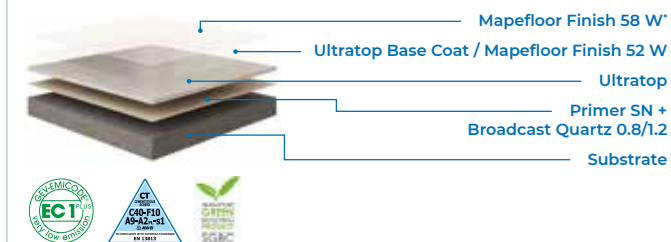
CEMENT BASED FLOORING SYSTEMS



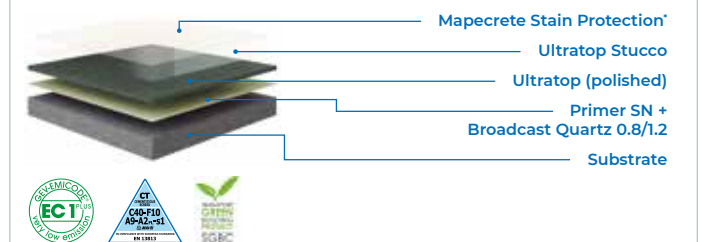
Cement based flooring systems - Overview

■ Ultratop series ■ Self-levelling products ■ Cementitious screeds ■ Floor hardener

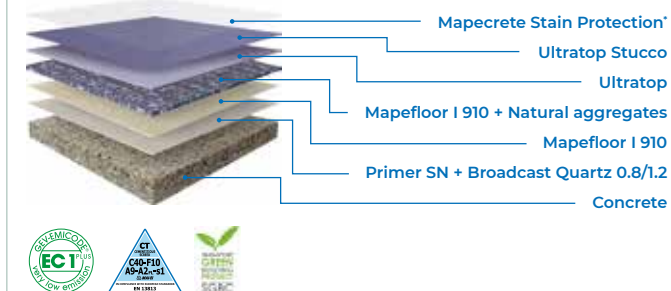
ULTRATOP (5-40 mm)



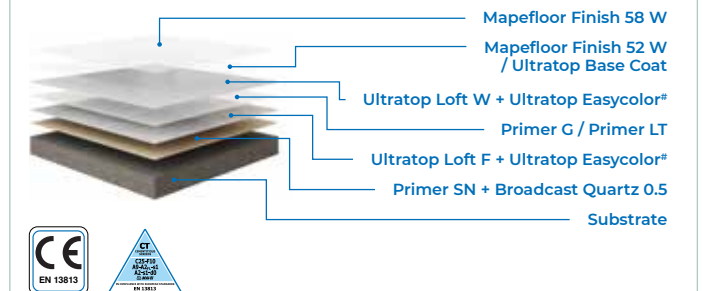
ULTRATOP - POLISHED (5-10 mm)



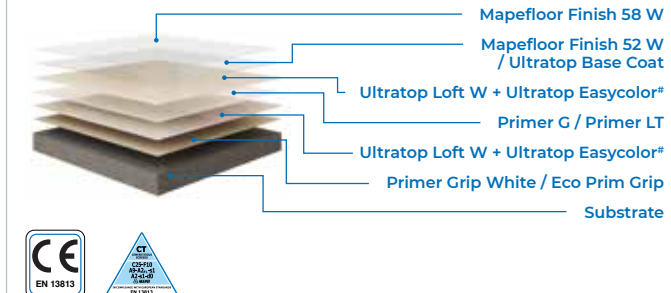
ULTRATOP - TERRAZZO



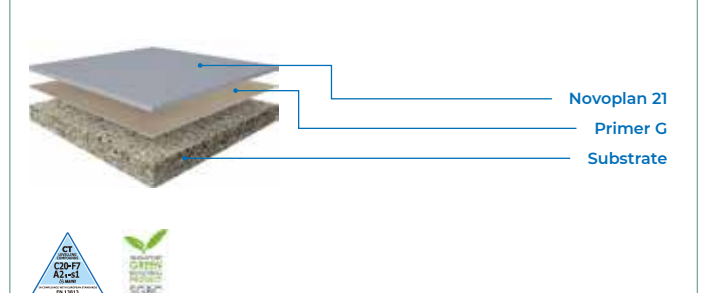
ULTRATOP LOFT SYSTEM - FLOOR (1-2 mm)



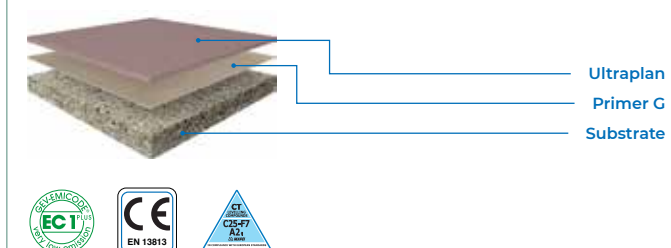
ULTRATOP LOFT SYSTEM - WALL (0.5-1 mm)



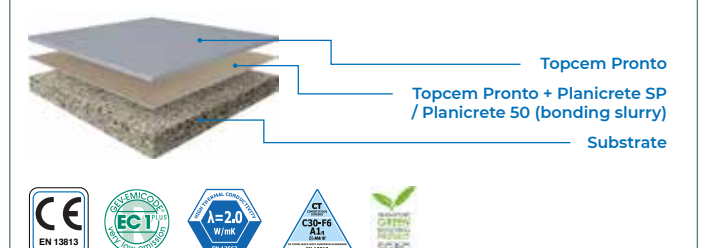
NOVOPLAN 21 (1-5 mm)

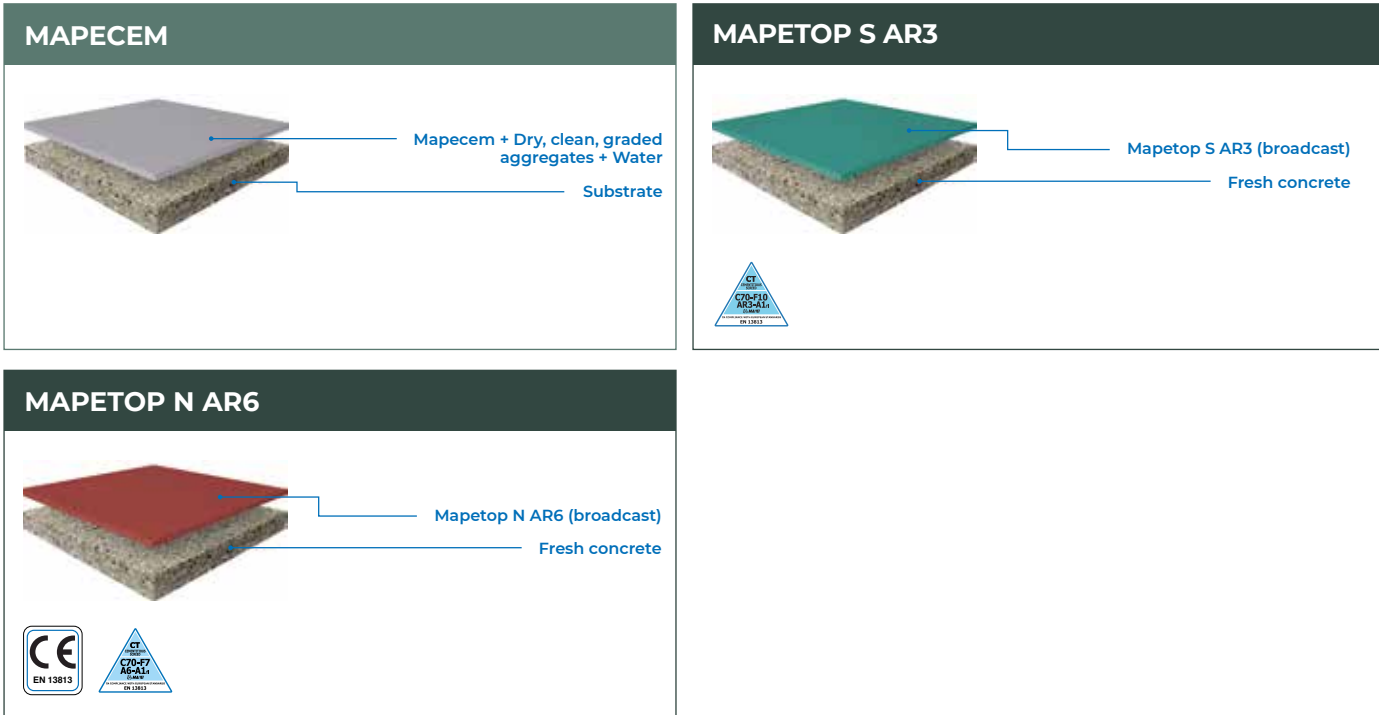


ULTRAPLAN (1-10 mm)



TOPCEM PRONTO





Cement based flooring systems



Mapei offers a variety of cement based flooring systems for industrial and commercial flooring. We are able to customize specific requirements which range from underlayment, levelling compounds, cement-based design flooring up to industrial hard wearing and high trafficable flooring systems. The Ultratop series self-levelling mortar has the ability to achieve a wide range of finishes for floors and walls: polished, matt/industrial looking and terrazzo effect for decorative finishes.

Mapei's cement-based flooring systems encompass the following qualities:

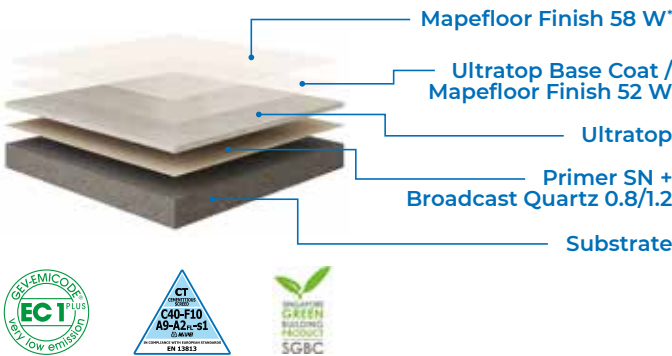
- Good levelling
- High compressive strength
- Hard wearing
- Durable
- Suitable for medium to high traffic
- Different colours available
- Easy to apply
- Adhere to international standards

Ultratop series

ULTRATOP (5-40 mm)

Ultra-fast setting, self-levelling mortar based on special hydraulic binders for abrasion-resistant flooring.
Total thickness: 5 – 40 mm.

- High abrasion resistance
- Quick installation, very fast curing
- UV stable
- Need protective sealer



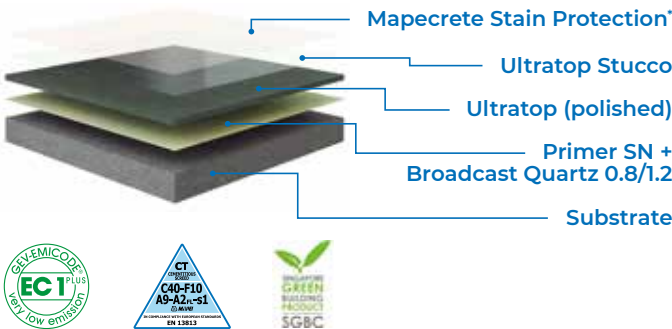
*Note: Topcoat or sealer options: Mapecrete Stain Protection, Mapecrete Finish 630, Mapecrete I 300 SL TRP.

Environments: Warehouse, General manufacturing, HDB housing, Shopping centers, Supermarkets, Restaurants, Hotel, Shops and Showrooms.

ULTRATOP - POLISHED (5-10 mm)

Ultra-fast setting, self-levelling mortar based on special hydraulic binders for abrasion-resistant flooring.
Total thickness: 5 – 10 mm.

- Aesthetic looking
- Quick installation, very fast curing
- UV stable
- Need protective sealer



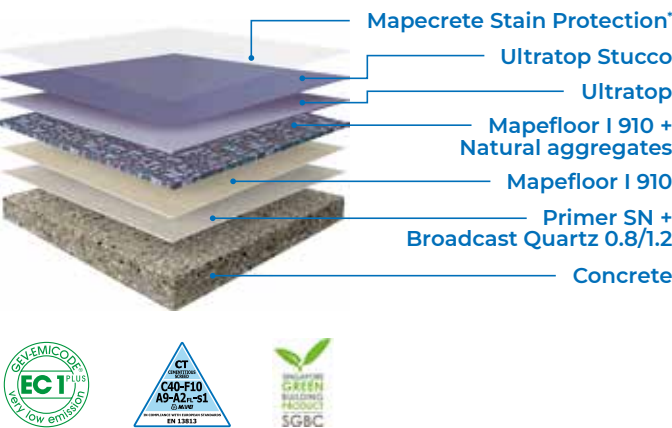
*Note: Topcoat or sealer option: Mapecrete Finish 630.

Environments: New floors in shopping centers, Supermarkets, Restaurants, Shops and Showrooms.

ULTRATOP - TERRAZZO

Ultra-fast setting, self-levelling mortar based on special hydraulic binders for abrasion-resistant flooring.
Total thickness depends on the size of the aggregate used.

- Aesthetic looking
- Quick installation, very fast curing
- UV stable
- Need protective sealer



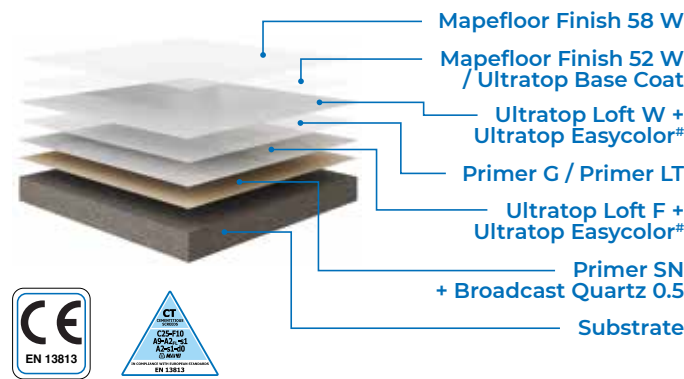
*Note: Topcoat or sealer option: Mapecrete Finish 630.

Environments: New floors in shopping centers, Supermarkets, Restaurants, Shops and Showrooms.

ULTRATOP LOFT SYSTEM - FLOOR (1-2 mm)

One-component trowellable cementitious paste applied in layers up to 2 mm thick to create decorative floors with a trowelled or mottled finish effect. Total thickness: 1 – 2 mm.

- Easy to apply
- Decorative appearance
- Dries rapidly
- Versatile
- Can be applied on horizontal and vertical surfaces



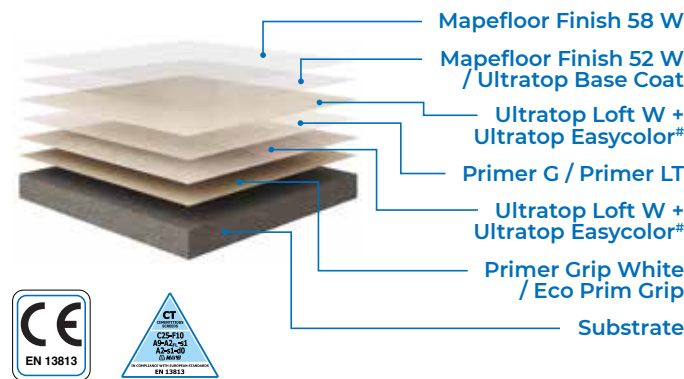
#Note: Ultratop Easycolor may be removed to achieve a natural cementitious look.

Environments: Museums, Retail, Showrooms, Commercial and Residential spaces.

ULTRATOP LOFT SYSTEM - WALL (0.5-1 mm)

One-component trowellable cementitious paste applied in layers up to 1 mm thick to create decorative walls with a trowelled or mottled finish effect. Total thickness: 0.5 – 1 mm.

- Easy to apply
- Decorative appearance
- Dries rapidly
- Versatile
- Can be applied on horizontal and vertical surfaces



#Note: Ultratop Easycolor may be removed to achieve a natural cementitious look.

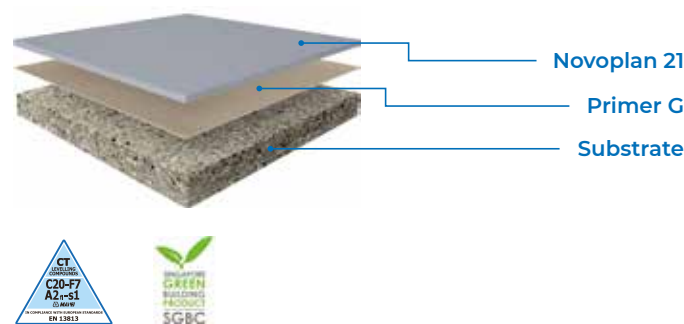
Environments: Museums, Retail, Showrooms, Commercial and Residential spaces.

Self-levelling products

NOVOPLAN 21 (1-5 mm)

Fast hardening self-levelling smoothing compound for interiors. Total thickness: 1 – 5 mm.

- Resistant to pedestrian traffic
- Easy to apply
- Fast drying
- Good compressive and flexural strength

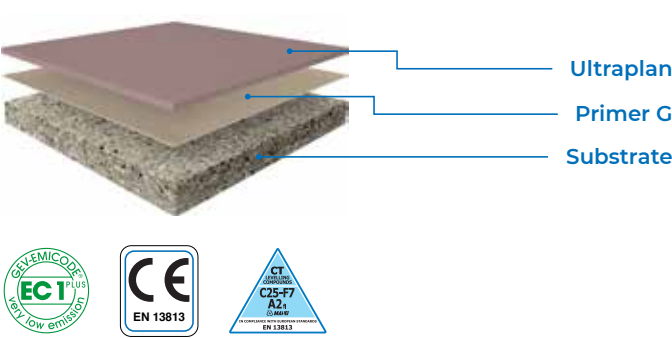


Used for: Underlayment, levelling and smoothing new or existing substrates for receiving carpet, vinyl, ceramic tiles, etc.

ULTRAPLAN (1-10 mm)

Ultra-fast drying self-levelling smoothing compound for interiors. Total thickness: 1 – 10 mm.

- Resistant to heavy pedestrian traffic
- Resistant to abrasion
- Easy to apply
- High compressive and flexural strength



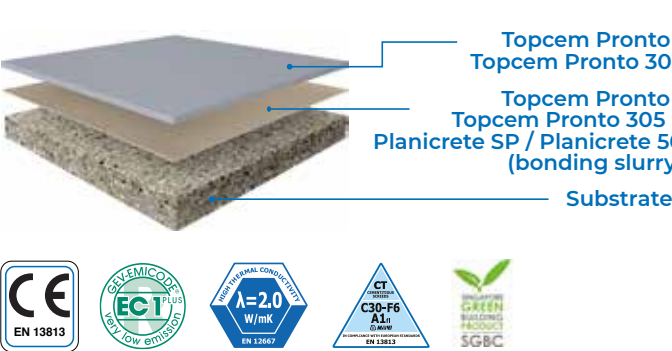
Used for: Underlayment, levelling and smoothing new or existing substrates to receive carpet, vinyl, ceramic tiles, wood finishing.

Cementitious screeds

TOPCEM PRONTO / TOPCEM PRONTO 305

Ready-to-use, normal setting, quick-drying mortar with high thermal conductivity for interiors and exteriors.

- Ready to use
- Controlled shrinkage
- Resistant to loads and traffic
- Fast drying

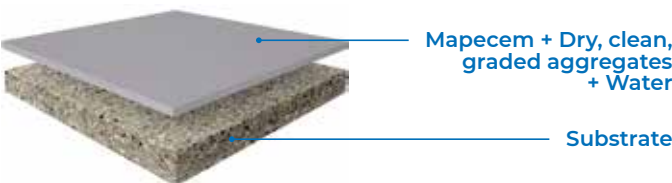


Environments: Underlayment, Levelling floor, Forming screeds on new and existing slabs to receive carpet, vinyl, ceramic tiles, wood covering.

MAPECEM

Special fast setting and drying (24 hours) hydraulic binder for shrinkage-compensated screeds.

- Fast curing
- Resistant to heavy loads and traffic
- Fast drying
- Easy to mix
- High mechanical strength



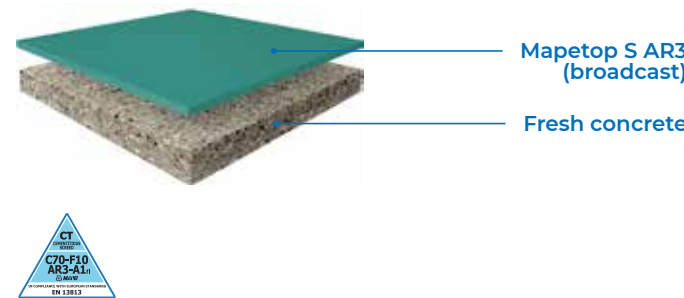
Environments: Underlayment, Levelling floor, Forming screeds on new and existing slabs to receive floor finishing.

Floor hardener

MAPETOP S AR3

Pre-blended, ready-to-use dry shake hardener for concrete floors made of special well-graded quartz, Portland cement and special admixtures.

- Heavy-duty
- Resistant to heavy loads and traffic
- Resistant to abrasion
- High mechanical strength

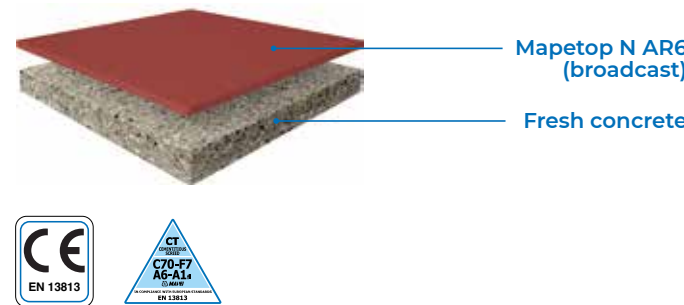


Environments: Loading and unloading areas, Warehouse, Workshops, Platforms, Garage, Automotive industry, Industrial and Commercial environments.

MAPETOP N AR6

Pre-blended, ready-to-use dry shake hardener for concrete floors made of special well-graded quartz, Portland cement and special admixtures.

- Heavy-duty
- Resistant to heavy loads and intense traffic
- Resistant to abrasion
- High mechanical strength



Environments: Loading and unloading areas, Warehouse, Workshops, Platforms, Garage, Automotive industry, Industrial and Commercial environments.



Project references

- Museum of Old Ford Factory, Singapore
- Grafunkt Furniture Showroom at Millenia Walk, Singapore
- Funan, Singapore
- Ya'an Lushan Museum, China
- Sweden Wood Nantong Production and Warehouse, China
- Volkswagen Ningbo Production area, China
- American Eagle shops, Hong Kong
- Central Restaurant Piazza, Hong Kong
- Huda Beer Factory Workshop, Vietnam
- ProjectSpace Architect Office, Malaysia
- Google Office, Malaysia
- Ogilvy Office at Selangor, Malaysia

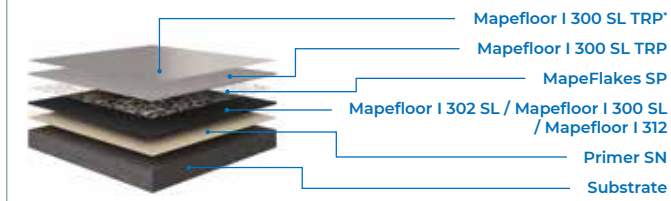




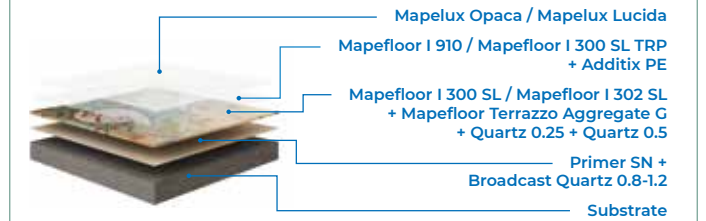
DECORATIVE FLOORING SYSTEMS

Decorative flooring systems - Overview

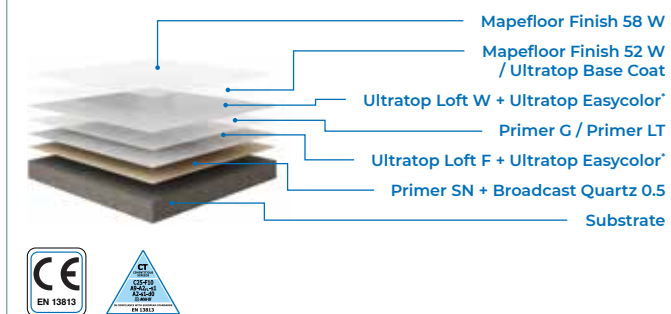
MAPEFLAKES SP SYSTEM



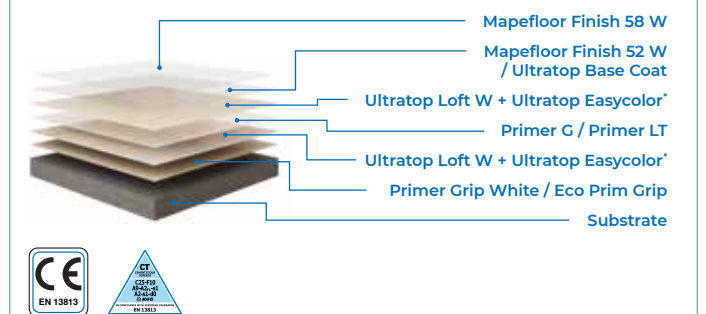
MAPEFLOOR EPOXY TERRAZZO SYSTEM G



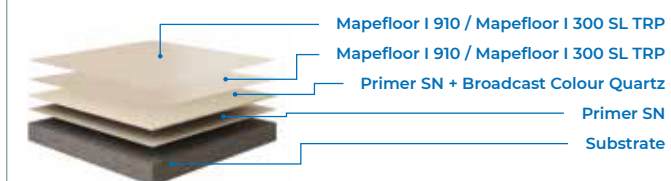
ULTRATOP LOFT SYSTEM - FLOOR



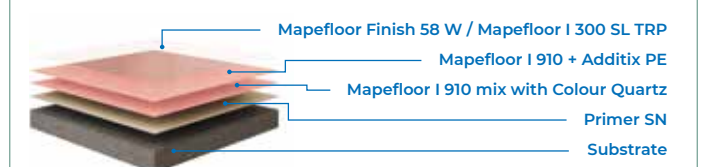
ULTRATOP LOFT SYSTEM - WALL



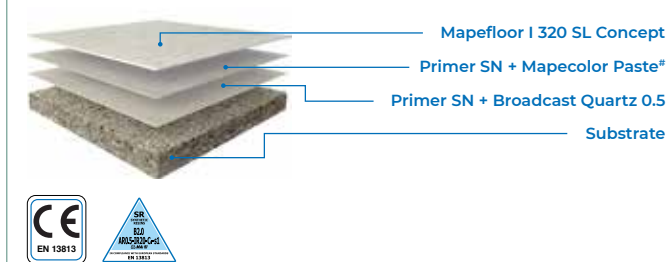
COLOUR QUARTZ: BROADCAST SYSTEM



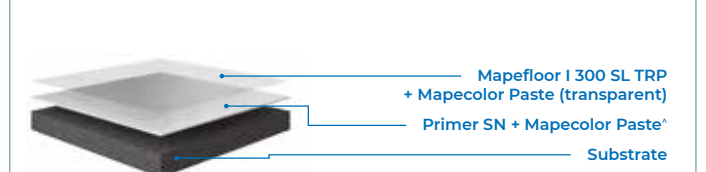
COLOUR QUARTZ: > 5 MM EPOXY MORTAR SYSTEM



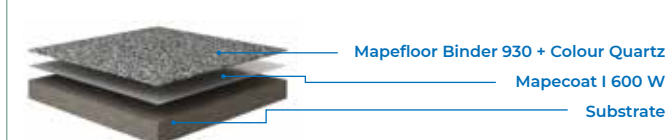
MAPEFLOOR I 320 SL CONCEPT



MAPEFLOOR I 300 SL TRP



MAPEFLOOR BINDER 930



Decorative flooring systems



Mapei's assortment of coloured acrylic, epoxy and polyurethane design flooring systems provide a highly decorative and textured alternative to conventional floor and wall coverings. Besides having the option of many colours to choose from, our systems are seamless, durable and require low maintenance.

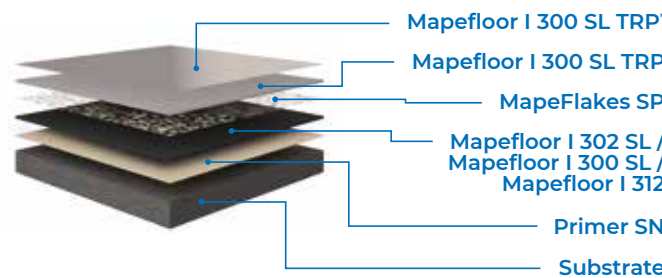
Due to the fact that our systems are highly aesthetic in design and optical appearance, many of our flooring systems can be used in commercial, institutional and domestic areas of application.

- Durable**
- Residential and commercial**
- Highly aesthetic**
- Different designs available**
- Long warranty**
- Colour selection**
- Suitable for low, medium and heavy traffic**
- Adhere to international standards**

MAPEFLAKES SP SYSTEM

Decorative acrylic coloured flakes incorporated in Mapefloor epoxy and polyurethane floor and wall systems.

- Highly decorative**
- Easy to clean**
- Low yellowing**
- Suitable for floors subjected to light and medium traffic**
- Waterproof**
- Good wear resistance**



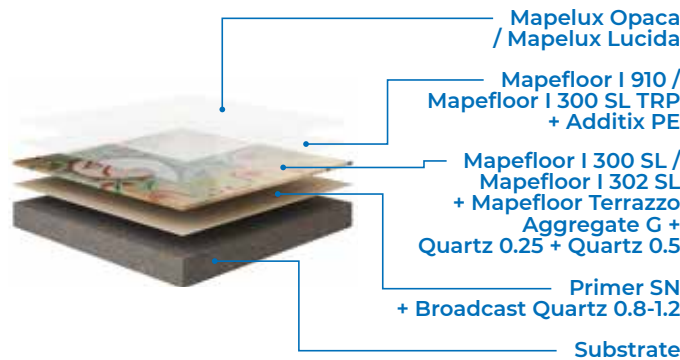
**Optional: Mapefloor Finish 58 W can be applied to achieve a matt finish.*

Environments: Shopping mall, Offices, Residential, Retail, Studios, Schools, Convention centers, Museums, Showrooms, Commercial spaces.

MAPEFLOOR EPOXY TERRAZZO SYSTEM G

Epoxy resin terrazzo flooring system for highly aesthetic and seamless finishing.

- Highly decorative**
- Easy to clean**
- Low yellowing**
- Suitable for floors subjected to heavy traffic**
- Waterproof**
- Good chemical resistance**
- Excellent wear resistance**

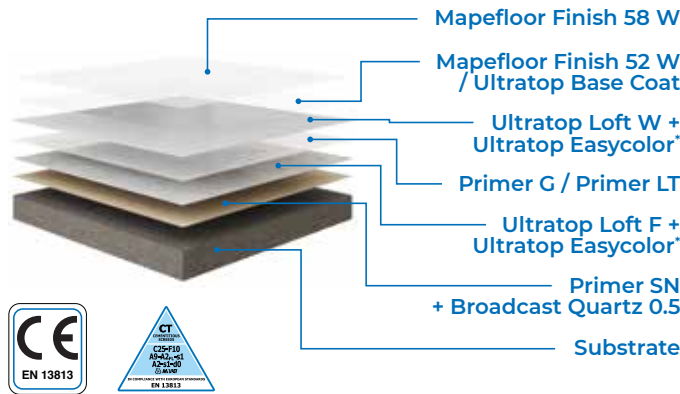


Environments: Airports, Showrooms, Shopping mall, Offices, Residential, Retail, Convention centers, Museums, Commercial spaces.

ULTRATOP LOFT SYSTEM - FLOOR

One-component trowellable textured cementitious paste applied in layers up to 2 mm thick to create decorative floors with a trowelled or mottled effect.

- Natural shade effect**
- Easy to clean**
- Low yellowing**
- Suitable for floors subjected to light and medium traffic**
- Waterproof**
- Good chemical resistance**
- Good wear resistance**



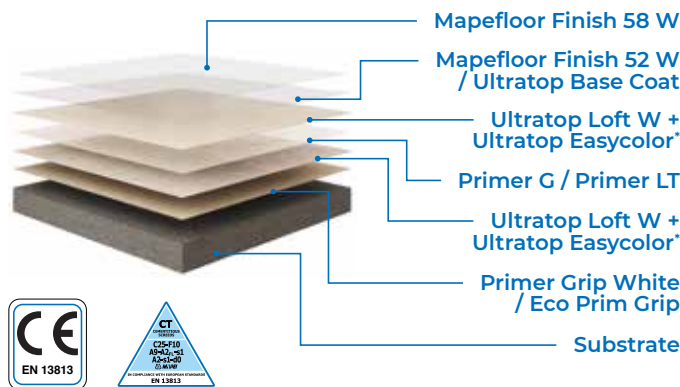
**Note: Ultratop Easycolor may be removed to achieve a natural cementitious look.*

Environments: Showrooms, Apartments, Offices, Residential, Retail, Museums, Restaurants.

ULTRATOP LOFT SYSTEM - WALL

One-component trowellable textured cementitious paste applied in layers up to 2 mm thick to create decorative floors with a trowelled or mottled effect.

- Natural shade effect**
- Easy to clean**
- Low yellowing**
- Suitable for floors subjected to light and medium traffic**
- Waterproof**
- Good chemical resistance**
- Good wear resistance**



**Note: Ultratop Easycolor may be removed to achieve a natural cementitious look.*

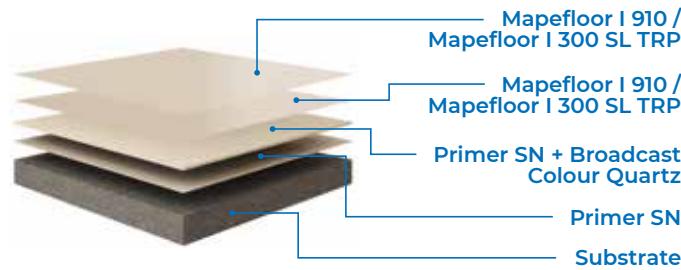
Environments: Showrooms, Apartments, Offices, Residential, Retail, Museums, Restaurants.

COLOUR QUARTZ: BROADCAST SYSTEM

A multi-layer epoxy resin with colour quartz as an antiskid broadcast system.

- ⌘ Anti-slip
- ⌘ Highly decorative
- ⌘ Low yellowing
- ⌘ Suitable for floors subjected to medium traffic
- ⌘ Waterproof
- ⌘ Good chemical resistance
- ⌘ Good wear resistance

Environments: Showrooms, Workshops, Internal walkways, Wet areas.

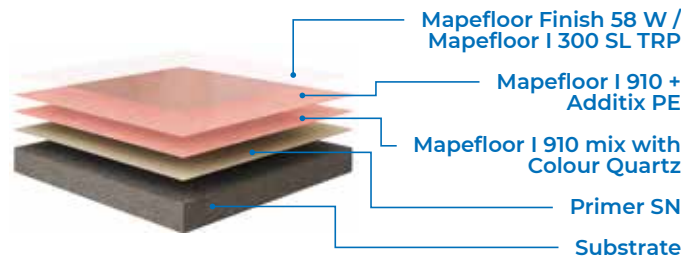


COLOUR QUARTZ: >5 MM EPOXY MORTAR SYSTEM

A highly decorative > 5 mm colour quartz epoxy mortar system.

- ⌘ Highly decorative
- ⌘ Low yellowing
- ⌘ Suitable for floors subjected to medium and heavy traffic
- ⌘ Waterproof
- ⌘ Good chemical resistance
- ⌘ Good wear resistance
- ⌘ Easy to clean

Environments: General manufacturing, Airports, Showrooms, Shopping mall, Offices, Residential, Retail, Convention centers, Museums, Commercial spaces.



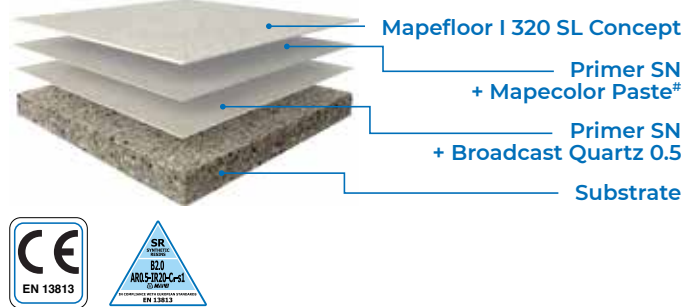
MAPEFLOOR I 320 SL CONCEPT

Self-levelling epoxy coating with a coloured granular finish for decorative floors.

- ⌘ Suitable for floors subjected to medium and heavy loads
- ⌘ Attractive finish
- ⌘ High abrasion resistance
- ⌘ Easy to clean and sanitise
- ⌘ Seamless

#Optional layer.

Environments: Laboratories, Warehouses, Production areas, Sterile rooms, General public areas, Offices, Showrooms, Canteens, Bars, Hotel lobbies and Industrial spaces.



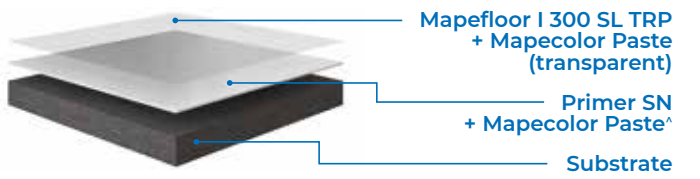
MAPEFLOOR I 300 SL TRP

Two-component transparent low yellowing epoxy coating product to form 1 mm thick finishing coats on epoxy resin systems.

- ⌘ Creates a "lens effect" finish
- ⌘ Resistant to chemical products and abrasion
- ⌘ Easy to clean
- ⌘ Impermeable to liquids

**For existing tile substrate, use Mapeprim SP as primer.*

Environments: Residential, Malls, Office areas, Lab facilities, Corridors, Hotels, Showrooms, Restaurants.

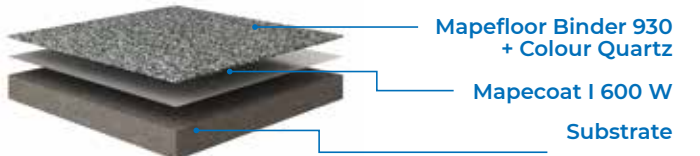


MAPEFLOOR BINDER 930

One-component aliphatic polyurethane binder for decorative flooring.

- ⌘ High resistance to wear and yellowing
- ⌘ Resistant to atmospheric agents
- ⌘ Solvent-free
- ⌘ Used to form self-draining flooring

Environments: Outdoor walkway, Garage entrance, Parks, Swimming pool surroundings, Decorative residential and Commercial outdoor areas, Showrooms.



Project references

- ⌘ Bukit Panjang Library, Singapore
- ⌘ Google Office, Singapore
- ⌘ Hurco Office, Singapore
- ⌘ National Art Gallery Retail and Cabinetry, Singapore
- ⌘ Museum of Old Ford Factory, Singapore
- ⌘ Taiyuan Construction Design Institute Showroom, China
- ⌘ Thrudesign Wood DIY Workshop, China
- ⌘ Mokito Coffee Restaurant, China
- ⌘ Maiyer Craft Office, Malaysia
- ⌘ Mapei Plant Training Room, Malaysia
- ⌘ Sri Murni Condominium Apartment, Malaysia
- ⌘ Tropicana Bungalow, Malaysia



FLOORING SYSTEMS FOR PETROCHEMICAL INDUSTRY

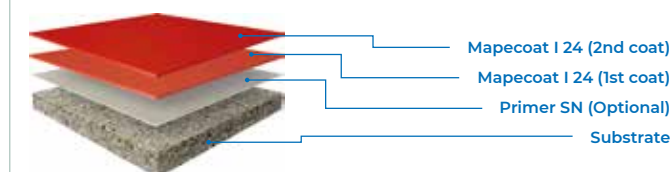
Flooring systems for petrochemical industry - Overview

■ High chemical-resistant coating systems

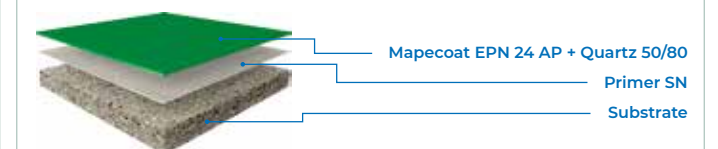
■ Primer for oily concrete surfaces

■ Primer for metal

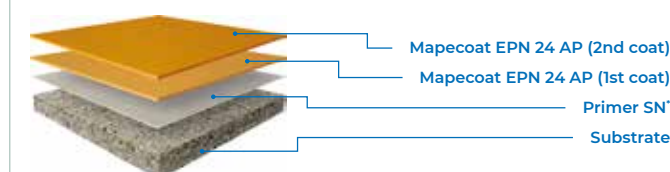
MAPECOAT I 24 (0.3-0.5 mm)



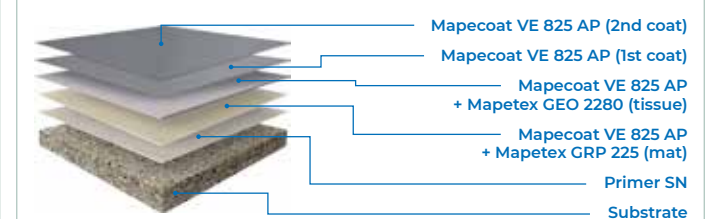
MAPECOAT EPN 24 AP: SELF-LEVELLING SYSTEM (2 mm)



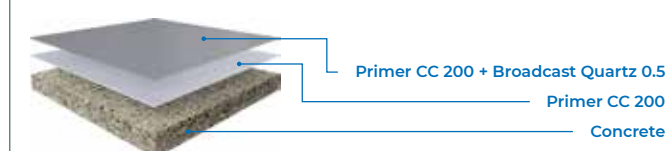
MAPECOAT EPN 24 AP: ROLLER COAT SYSTEM (0.3-0.5 mm)



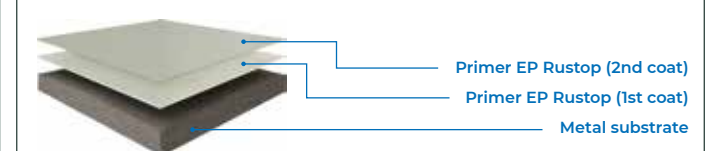
MAPECOAT VE 825 AP (2-3 mm)



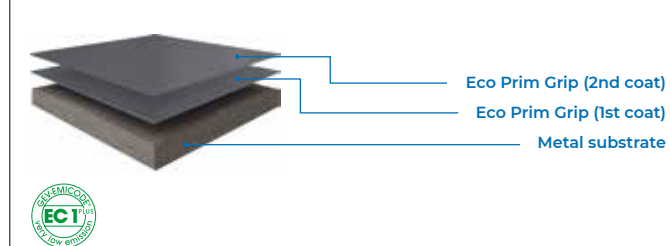
PRIMER CC 200



PRIMER EP RUSTOP



ECO PRIM GRIP



Flooring systems for petrochemical industry



Mapei offers a diverse range of product solutions that can be tailored to suit different types of application and requirements.

With our product range for the petrochemical industry, it is our priority to ensure and deliver highly durable fiberglass systems that are highly chemical-resistant and hard wearing in order to protect the building structures in case of any spillage of chemicals such as oil, grease, fuel, waste water and concentrated chemicals stored in chemical storage tanks, chemical pool areas, gutter, drainage and pipe network.

Mapei's special corrosion protection coating systems are:

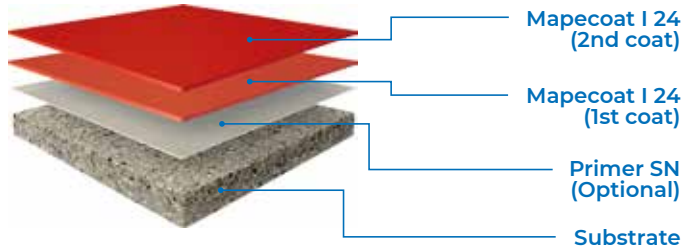
- 🔧 Long-lasting
- 🔧 Easy to maintain
- 🔧 Hear wearing
- 🔧 Chemical-resistant
- 🔧 Environmental protection
- 🔧 Durable
- 🔧 Long warranty
- 🔧 Waterproof
- 🔧 Thermo shock resistant
- 🔧 Adhere to international standards

High chemical-resistant coating systems

MAPECOAT I 24 (0.3-0.5 mm)

Chemical-resistant epoxy coating for concrete tanks, pipes, reservoirs. Total thickness: 0.3 – 0.5 mm.

- 🔧 Resistant to chemicals - acids, alkalis, salts, oils, hydrocarbons and solvents
- 🔧 Resist frost

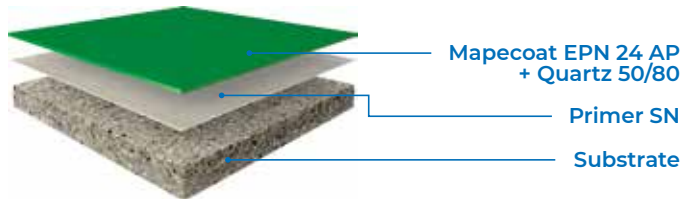


Environments: Sewage pipes, Purification tanks, Industrial floorings, Storage tanks for oil, hydrocarbons, first-flush rainwater, etc.

MAPECOAT EPN 24 AP: SELF-LEVELLING SYSTEM (2 mm)

Chemical-resistant novolac epoxy self-levelling system. Total thickness: 2 mm.

- 🔧 Resistant to chemicals - acids, alkalis, salts, oils and hydrocarbons
- 🔧 Abrasion resistant
- 🔧 Suitable for floors subject to medium and heavy traffic
- 🔧 May be applied as a self-smoothing system or as an anti-slip system
- 🔧 Solvent-free

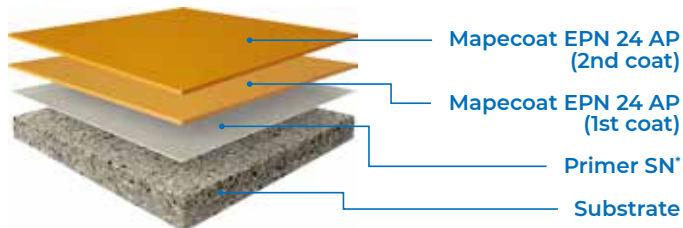


Environments: Production areas, Storage areas including tanks, Laboratories, Pharmaceutical plants, Areas requiring high chemical and mechanical protection.

MAPECOAT EPN 24 AP: ROLLER COAT SYSTEM (0.3-0.5 mm)

Chemical-resistant novolac epoxy roller coat system. Total thickness: 0.3 – 0.5 mm.

- 🔧 Resistant to chemicals - acids, alkalis, salts, oils and hydrocarbons
- 🔧 Abrasion resistant
- 🔧 Suitable for walls and floors subject to medium and heavy traffic
- 🔧 May be applied as a self-smoothing system or as an anti-slip system
- 🔧 Solvent-free



**For anti-slip, broadcast Quartz sand (final system thickness will be 1 – 1.5 mm).*

It can be applied as a self-levelling coat at 2mm thickness.

Environments: Production areas, Storage areas including tanks, Laboratories, Pharmaceutical plants, Areas requiring high chemical and mechanical protection.

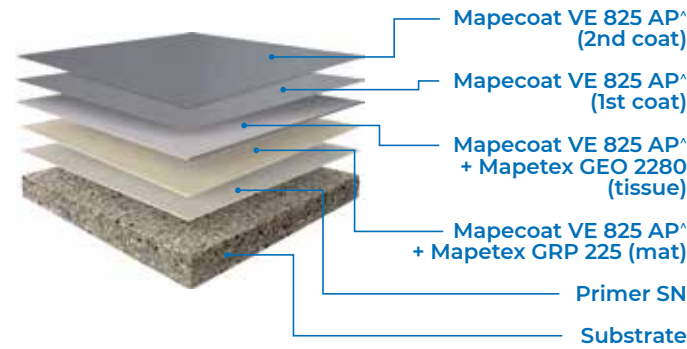
MAPECOAT VE 825 AP (2-3 mm)

Chemical and abrasion-resistant vinyl ester coating for tank lining. Total thickness: 2 – 3 mm.

- ⚙️ Rapid installation
- ⚙️ High chemical resistance
- ⚙️ Cold temperature resistance of up to -196°C
- ⚙️ High temperature resistance of up to 104°C
- ⚙️ High tensile strength

^Colour: Grey 7040.

Environments: WWTP, DI Water Tank, Firewater Tank, Process Water Tank, Chemical spillage areas, Chemical storage, Petrochemical industry, Pits, Wastewater treatment tanks.



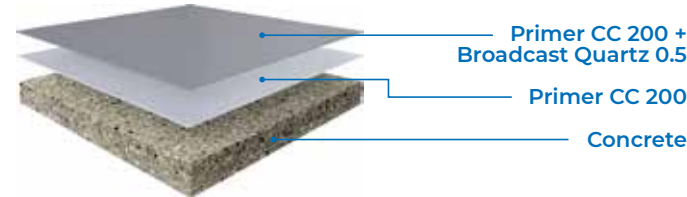
Primer for oily concrete surfaces

PRIMER CC 200

Two-component epoxy primer for oil contaminated cementitious surfaces. Improves adhesion of protective epoxy and polyurethane resin coatings on concrete floors and substrates.

- ⚙️ Fast curing
- ⚙️ Acts as a barrier to stop oil capillary rise
- ⚙️ Resistant to water, seawater, effluent water, saline solution, mineral oils, lubricants and fuel spills

Environments: Petrochemical industry, Workshops, Gas stations.



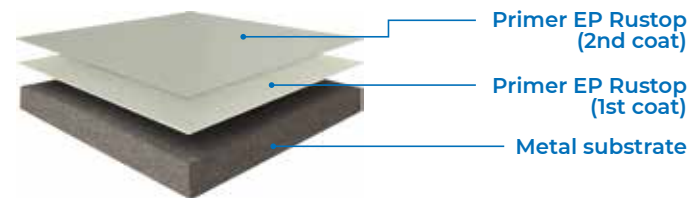
Primer for metal

PRIMER EP RUSTOP

Two-component epoxy primer for metallic surfaces to promote bonding before applying epoxy or polyurethane coatings.

- ⚙️ Impedes the formation of rust
- ⚙️ High bond strength on a wide range of metallic surfaces
- ⚙️ Used for metallic surfaces, horizontal & vertical

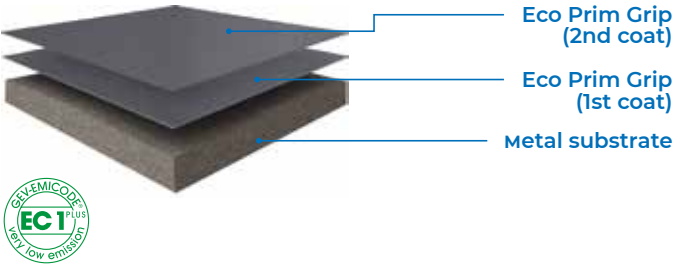
Environments: Shipyard, Steel construction, Petrochemical industry, Treatment plants, Steel production facilities, Mines.



ECO PRIM GRIP

Multi-purpose, ready-to-use, single-component bonding promoter primer with a very low emission of volatile organic compounds (VOC) for render, smoothing and levelling compounds and adhesives for ceramic tiles.

- ⚙️ Excellent bond strength
- ⚙️ Resistant to water and ageing
- ⚙️ Suitable for internal and external walls and floors
- ⚙️ Improve the bond of all types of cement, gypsum and lime-based plasters on substrates made from concrete, brickwork, gypsum
- ⚙️ Suitable for metallic surfaces, horizontal & vertical



Environments: Shipyard, Steel construction, Petrochemical industry, Treatment plants, Steel production facilities, Mines.



Project references

- ⚙️ Senoko Oil Fuel Depot, Singapore
- ⚙️ Solaris, Singapore
- ⚙️ Syngenta, Singapore
- ⚙️ Technochem, Singapore
- ⚙️ AT&S Factory, China
- ⚙️ Engro Urea Factory, Pakistan
- ⚙️ Sabah Ammonia Urea Plant, Malaysia
- ⚙️ Dairy Production Plant, Italy



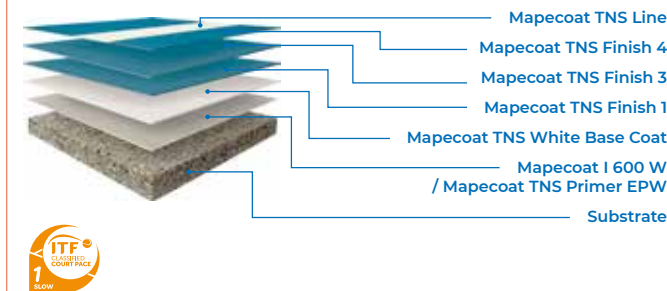
COATING SYSTEMS FOR SPORTS AND URBAN FACILITIES



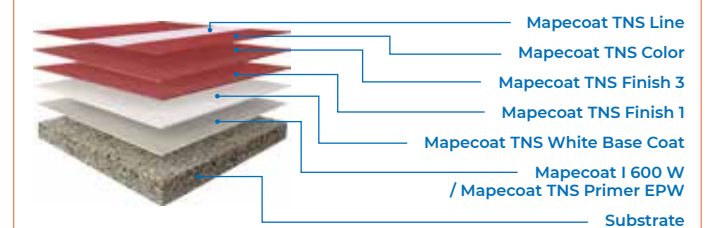
Coating systems for sports and urban facilities - Overview

■ Game courts ■ Road / Driveway ■ Cycling track

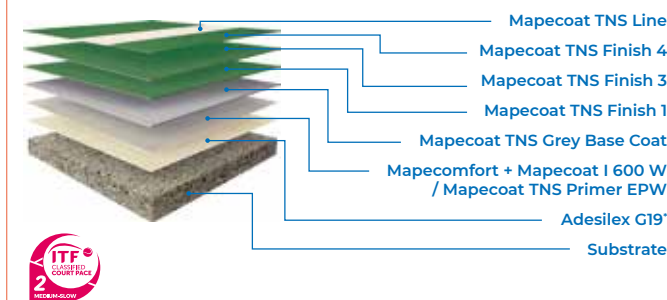
MAPECOAT TNS PROFESSIONAL (1-1.5 mm)



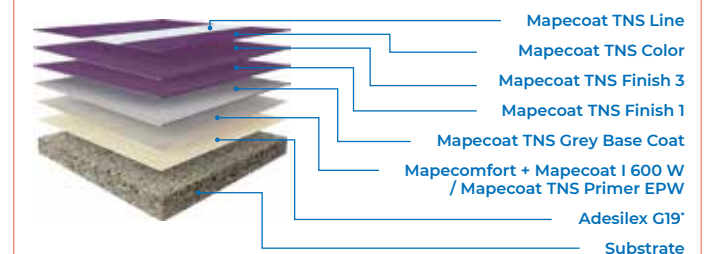
MAPECOAT TNS MULTI-SPORT PROFESSIONAL (1-1.5 mm)



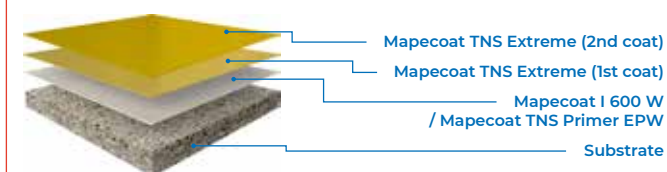
MAPECOAT TNS COMFORT (5.5-6.5 mm)



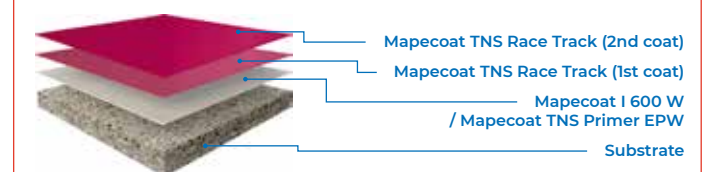
MAPECOAT TNS MULTI-SPORT COMFORT (5.5-6.5 mm)



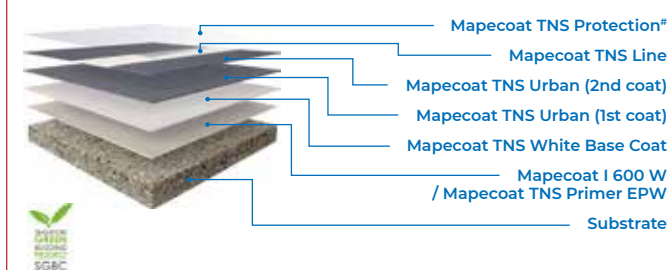
MAPECOAT TNS EXTREME (Close to 1 mm)



MAPECOAT TNS RACE TRACK (Close to 1 mm)



MAPECOAT TNS URBAN (1-1.5 mm)



Coating systems for sports and urban facilities



There are numerous types of Sports system and coatings in the market. The functionality and requirement of the court may be compromised if coatings used for sports and urban facilities cater only for aesthetic purpose.

Mapei Sports System Technology is established in its headquarters in Italy. Mapei's Mapecoat TNS system range offers a host of cutting-edge solutions for multi-sports surfaces, tennis courts, basketball courts, street soccer courts, ad-hoc removable courts, cycling and walking tracks.

With Mapecoat TNS system, it is possible to create various court surfaces: acrylic courts, cushioned acrylics, rubberised courts, removable courts system, and cushioned polyurethane courts. With almost 50 colours to choose from, Mapecoat TNS not only contributes to playing comfort but are also aesthetically pleasing.

Mapecoat TNS system was tested by ANAS in Europe, and in Singapore for slip resistance and weathering. In addition, it is certified by the Singapore Green Building Council (SGBC). In the tennis arena, our sports systems are approved by the International Tennis Federation, certified for Category 1 Slow, Category 3 Medium & Category 4 Medium-fast court surfaces. In fact, one of our Mapecoat TNS systems was approved and supplied to International Tennis Tournament venues such as the Davis Cup 2020, held in Kalisz, Poland.

Mapei caters a one-stop solution for all construction needs. Besides sports coatings, Mapei offers a complete host of solutions from sealants to repairing cracks, dips, potholes and pre-bagged cold asphalt prior to sports coatings application.

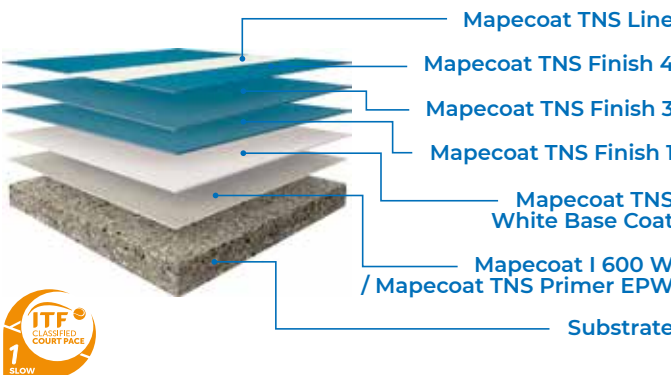
Let Mapei take care of the sport facility while players enjoy their game.

Game Courts

MAPECOAT TNS PROFESSIONAL (1-1.5 mm)

Multi-layered acrylic resin system in water dispersion for professional indoor and outdoor tennis courts. Average thickness: 1 – 1.5 mm.

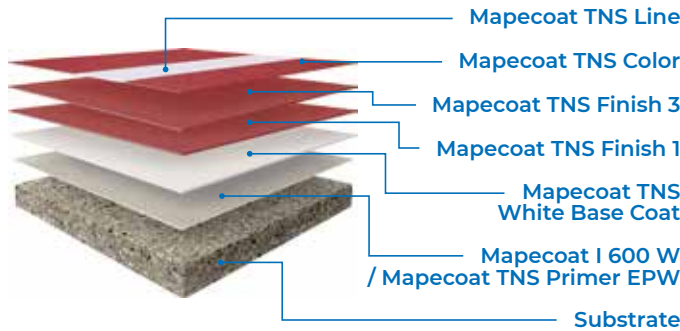
- 🔧 Excellent playing comfort
- 🔧 Durable, characterised by high resistance to wear and abrasion from constant foot traffic
- 🔧 Resistant to outdoor conditions
- 🔧 Solvent-free and eco-friendly
- 🔧 Quick application, reduces the time required to carry out work and the down time of playing surfaces



MAPECOAT TNS MULTI-SPORT PROFESSIONAL (1-1.5 mm)

Multi-layered acrylic resin system in water dispersion for indoor and outdoor multi-purpose playing surfaces. Average thickness: 1 – 1.5 mm.

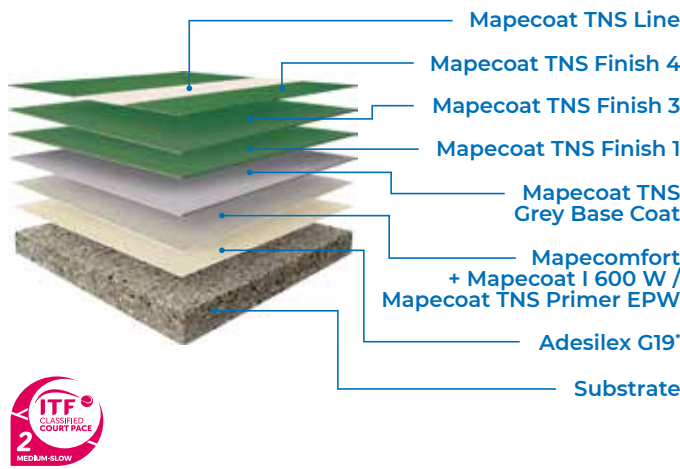
- 🔧 Excellent playing comfort
- 🔧 Durable, characterised by high resistance to wear and abrasion from constant foot traffic
- 🔧 Resistant to outdoor conditions
- 🔧 Solvent-free and eco-friendly
- 🔧 Quick application, reduces the time required to carry out work and the down time of playing surfaces



MAPECOAT TNS COMFORT (5.5-6.5 mm)

High-elasticity multi-layered system made from acrylic resin in water dispersion and granular rubber matting for professional indoor and outdoor tennis courts. Average thickness: 5.5 – 6.5 mm.

- 🔧 Excellent playing comfort, reducing the effect of impact trauma
- 🔧 Durable, characterised by high resistance to wear and abrasion from constant foot traffic
- 🔧 Resistant to outdoor conditions
- 🔧 Solvent-free and eco-friendly
- 🔧 Quick application, reduces the time required to carry out work and the down time of playing surfaces

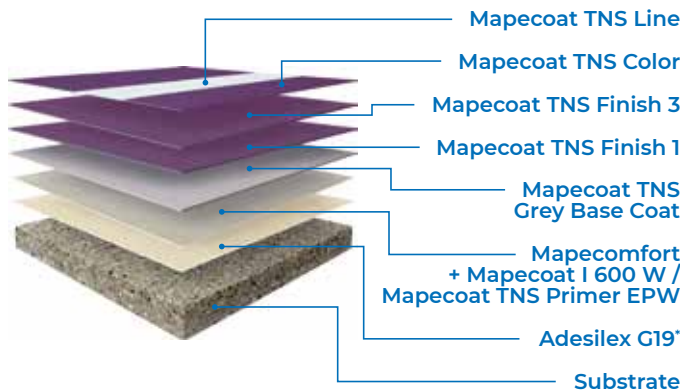


*Alternative: Ultrabond Turf 2 Stars or Ultrabond Turf PU 2K (for asphalt surfaces).

MAPECOAT TNS MULTI-SPORT COMFORT (5.5-6.5 mm)

High-elasticity multi-layered system made from acrylic resin in water dispersion and granular rubber matting for multi-purpose indoor and outdoor playing surfaces. Average thickness: 5.5 – 6.5 mm.

- 🔧 Excellent playing comfort, reducing the effect of impact trauma
- 🔧 Durable, characterised by high resistance to wear and abrasion from constant foot traffic
- 🔧 Resistant to outdoor conditions
- 🔧 Solvent-free and eco-friendly
- 🔧 Quick application, reduces the time required to carry out work and the down time of playing surfaces



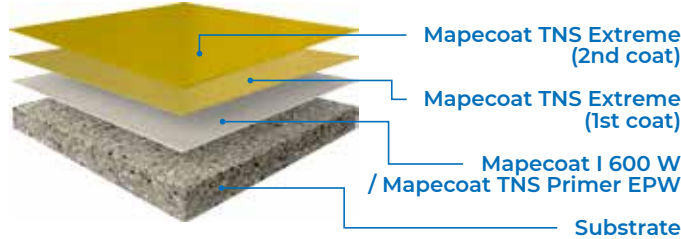
*Alternative: Ultrabond Turf 2 Stars or Ultrabond Turf PU 2K (for asphalt surfaces).

Road / Driveway

MAPECOAT TNS EXTREME (Close to 1 mm)

Coloured epoxy-acrylic resin-based coating in water dispersion for cycle lanes, pavements, and vehicle areas. Average thickness: close to 1 mm.

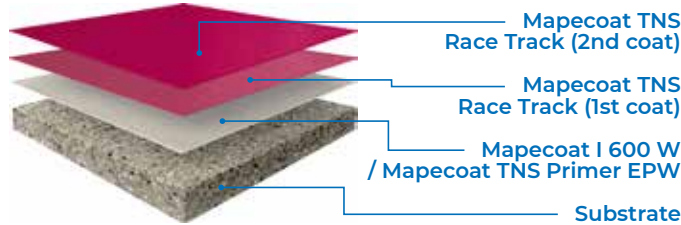
- Easy to apply by roller or spray
- Suitable for areas open to traffic such as cycle lanes and pedestrian zones
- Excellent resistance to traffic
- Rapid drying
- Can be applied on existing substrates



MAPECOAT TNS RACE TRACK (Close to 1 mm)

Rapid film-forming, durable, coloured acrylic water-based coating for vehicular and high foot traffic areas. Average thickness: close to 1 mm.

- Single-component, easy to apply by roller
- Suitable for areas open to traffic such as cycle lanes and pedestrian zones
- Excellent resistance to traffic
- Rapid drying
- Can be applied on existing substrates

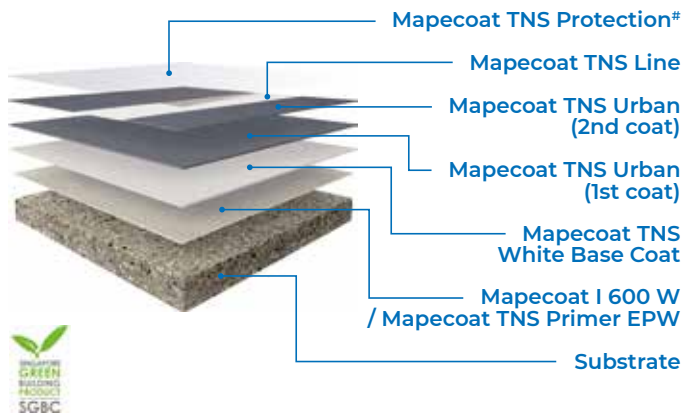


Cycling Track

MAPECOAT TNS URBAN (1-1.5 mm)

Multi-layered acrylic resin system in water dispersion for cycle paths, pavements and urban features. Average thickness: 1-1.5 mm.

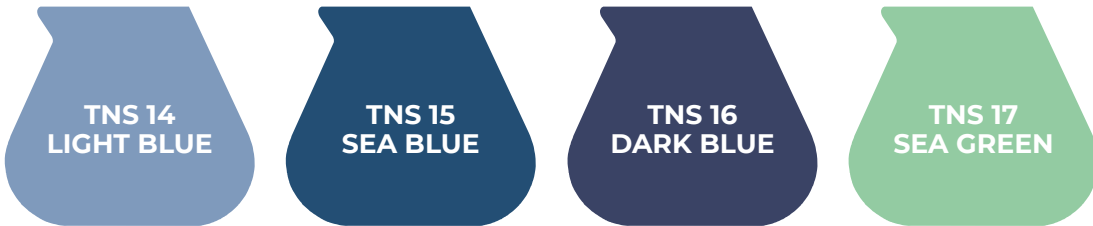
- Protects surfaces against wear and tear
- Durable, characterised by high resistance to wear and abrasion from foot traffic
- Resistant to all weather conditions, smog and direct ultraviolet rays
- Solvent-free and eco-friendly
- Quick application, reduces the time required to carry out work and the down time of surfaces



**To be applied by spray coat.*

MAPECOAT TNS COLOUR CHART

Note: the colours indicated are purely representative and may vary due to printing limitations.





Project references

- Bukit Panjang Cycling Track, Singapore
- Bus Lane at Canberra, Singapore
- Changi To East Coast Cycling Track, Singapore
- East Coast Cycling & Skate Park, Singapore
- Tanglin Academy Kids Court, Singapore
- Velodrome and Cycling Facilities at Westwood Condominium, Singapore
- Multi-purpose Space at Lee Garden Three, Hong Kong
- 2020 Davis Cup, Poland
- Basketball Court at Chong Hwa Independent High School, Malaysia
- Multi-purpose Courts at Sayfol International School, Malaysia
- Burnie Tennis Club, Australia
- Waverly District Netball Association, Australia
- Auckland City Council Community Basketball Courts, New Zealand

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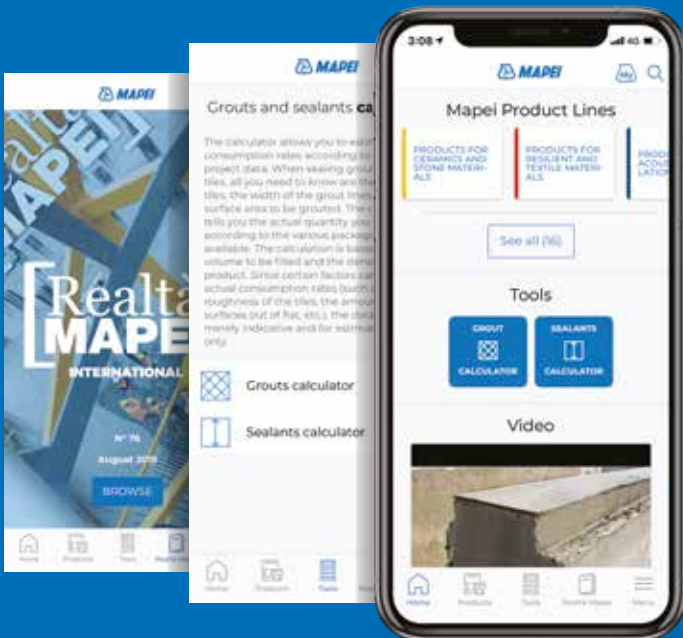
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