















SYSTEMS FOR RESIN AND CEMENTITIOUS FLOORS

The use of resin and cementitious-based based flooring systems has become consolidated practice in the construction world. Not only are they adopted in the industrial and commercial building sectors, they are also used in the private construction sector and for street furniture and can be applied in various ways in all types of surroundings: from highly automated systems for industry to hospitals and supermarkets, as well as in civil settings for the public and private sectors, such as showrooms, shops and homes.

Mapei has developed a range of cutting-edge systems for the seamless flooring sector and, depending on the individual requirements of clients, they offer practical, efficient systems that can be installed very quickly and provide unquestionable benefits in terms of functionality, strength, durability and aesthetics.

These systems include the various solutions from **Mapefloor System**, a complete range of resin-based systems, and **Ultratop System**, a specific selection of formulations with a cementitious matrix, both of which can be used to create surfaces that always meet with the end user's specific requirements in terms of hygiene, sustainability creativity, exclusivity, comfort and wellbeing in the most diverse settings.

Mapei's seamless flooring portfolio consists of a comprehensive range of solutions that can be tailored to suit the type of application, the thickness of the flooring and the type of formulation employed and come in an infinite array of colours, shades and patterns to create surfaces that are not only unique, but also perfectly suitable for the use specified by the end user.

SYSTEMS FOR RESIN AND CEMENTITIOUS FLOORS





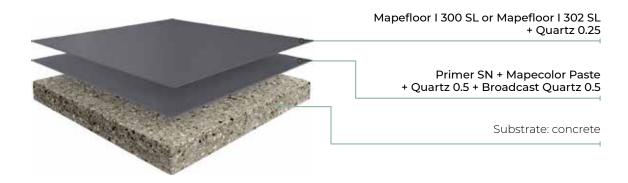


URBAN SYSTEM





Multi-layered non-slip epoxy system with high solids content for industrial floors; thickness 0.8 to 1.2 mm.





AREAS OF USE

- Chemical and pharmaceutical industries.
- Foodsftuffs industry.
- Mechanised warehouses.
- Shopping centres.

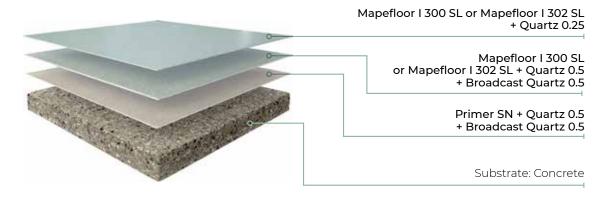


- Non-slip finish.
- High solids content.
- Characterised by its high resistance to wear and abrasion from continuous pedestrian traffic
- Resistant to most aggressive chemical products.
- Easy to clean and sanitise.
- Reduces the time required to carry out work so minimises production down times.





Multi-layered non-slip epoxy system with high solids content for industrial floors; thickness 3 to 3.5 mm.





AREAS OF USE

- Chemical and pharmaceutical industries.
- Foodsftuffs industry.
- Mechanised warehouses.
- Shopping centres.
- Mechanical industry and car workshops.
- Laboratories.



- Non-slip finish.
- High solids content.
- Characterised by its high resistance to wear and abrasion from continuous pedestrian traffic
- Resistant to most aggressive chemical products.
- Easy to clean and sanitise.
- Reduces the time required to carry out work so minimises production down times.





Self-levelling epoxy system with high solids content for industrial floors; thickness 2 to 4 mm.





AREAS OF USE

- Chemical and pharmaceutical industries.
- Foodsftuffs industry.
- Distribution warehouses.
- Mechanised warehouses.
- Shopping centres.
- Aseptic areas.
- Sterilised rooms, laboratories and hospitals.

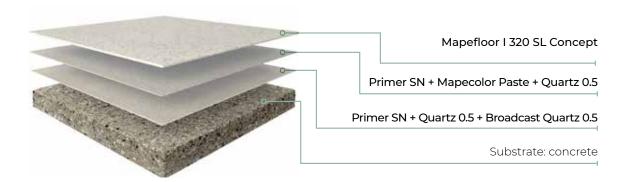


- Smooth finish.
- High solids content.
- Characterised by its high resistance to wear and abrasion from continuous pedestrian traffic
- Resistant to most aggressive chemical products.
- Thanks to its highly attractive finish, it is particularly suitable for exhibition areas.
- Easy to clean and sanitise.
- Quick to apply, reduces the time required to carry out work so minimises production down times.





Self-levelling epoxy system with a coloured granular finish for decorative floors; thickness of approx. 2 mm.





AREAS OF USE

- Pharmaceutical industry and distribution warehouses.
- Clinics, canteens, locker rooms and laboratories.
- Hotel lobbies, offices, classrooms, showrooms, etc.

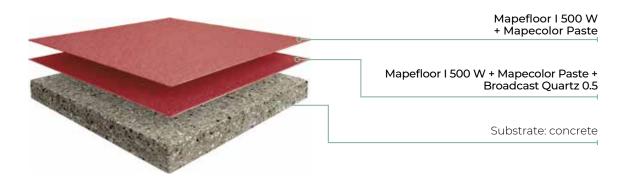


ADVANTAGES

- Smooth finish.
- High solids content.
- High resistance to wear and abrasion, that is higher than traditional self-levelling systems.
- Resistant to most aggressive chemical products.
- Thanks to its highly attractive finish, it is particularly suitable for exhibition areas.
- Easy to clean and sanitise.
- Quick to apply, reduces the time required to carry out work so minimises production down times.



Multi-layered vapour-permeable epoxy system in water dispersion with a matt non-slip finish for industrial floors; average thickness 3 mm.





AREAS OF USE

- Chemical and pharmaceutical industries.
- Laboratories.
- Mechanised warehouses.
- Shopping centres.
- Foodstuffs industry.
- Canteens and store rooms.

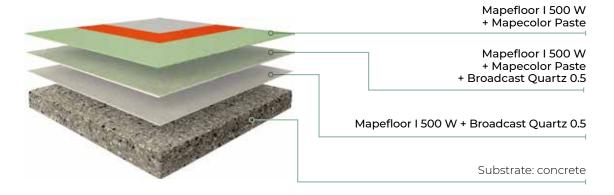


- Non-slip finish.
- Permeable to water vapour.
- Water-based product, contains no solvents.
- High resistance to wear and abrasion, caused by continuous pedestrian traffic.
- Resistant to most aggressive chemical products.
- Recommended for use in the foodstuffs industry, especially in areas used for the passage of normal traffic and fork-lift trucks.
- Easy to clean and sanitise.
- Quick to apply, reduces the time required to carry out work so minimises production down times.





Multi-layered vapour-permeable epoxy system in water dispersion with a matt non-slip finish for industrial floors; average thickness 5 mm.





AREAS OF USE

- Pharmaceutical and chemical industries.
- Foodstuffs industry.
- Mechanised warehouses.
- Underground car parks.
- Shopping centres.
- Engineering works and car workshops.
- Canteens.

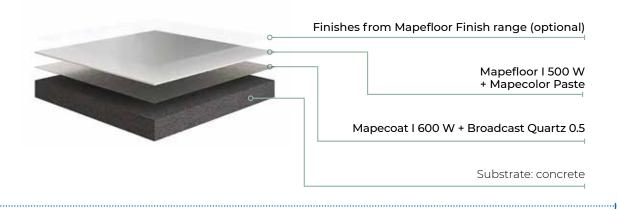


- Non-slip finish.
- Permeable to water vapour.
- Water-based product, contains no solvents.
- High resistance to wear and abrasion, caused by continuous pedestrian traffic.
- Resistant to most aggressive chemical products.
- Recommended for use in the foodstuffs industry, especially in areas used for the passage of medium/heavy traffic of fork-lift trucks.
- Easy to clean and sanitise.
- Quick to apply, reduces the time required to carry out work so minimises production down times.





Self-levelling vapour-permeable epoxy system in water dispersion with a smooth matt finish; thickness up to 4 mm.





AREAS OF USE

- Chemical and pharmaceutical industries.
- Foodstuffs industry.
- Mechanised warehouses.
- Shopping centres.

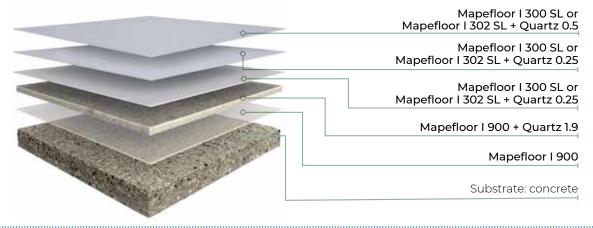


- Smooth finish.
- High solids content.
- High resistance to wear and abrasion due to continuous pedestrian traffic.
- Resistant to most aggressive chemical products.
- Thanks to its highly attractive finish, it is particularly suitable for exhibition areas.
- Easy to clean and sanitise.
- Quick to apply, reduces the time required to carry out work so minimises production down times.





Trowelled epoxy mortar system for industrial floors, ideal for renovating old floors; thickness 6 to 15 mm.





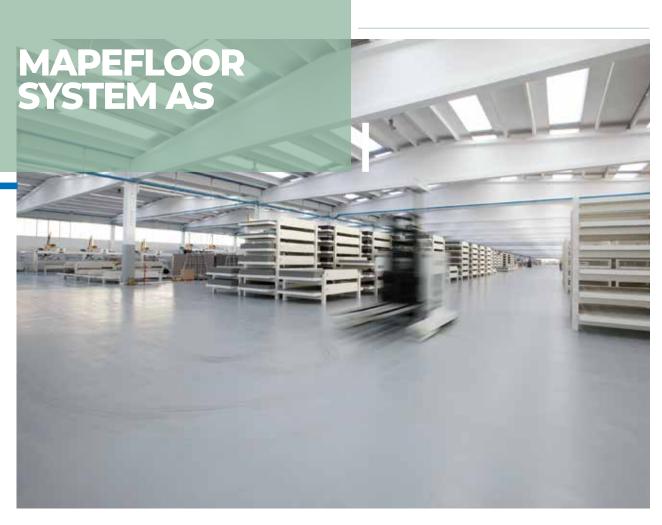
AREAS OF USE

- Chemical, pharmaceutical and foodstuffs industries.
- Mechanized warehouses and store
- Shopping centres.
- Aseptic areas.
- Areas where badly deteriorated floors need to be renovated.

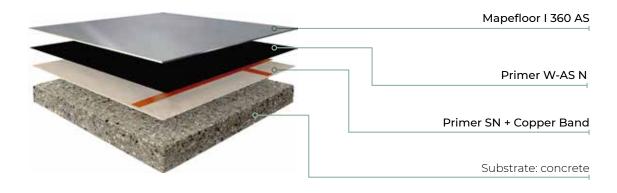


- Non-slip finish.
- High solids content.
- Fast restoration of slopes and depressions of badly deteriorated floors.
- Resistant to most aggressive chemical products.
- Easy to clean and sanitise.
- High resistance to wear caused by moving trolleys and vehicles.
- Quick to apply, reduces the time required to carry out work so minimises production down times.





Self-levelling epoxy system with a high solids content for antistatic, conductive industrial floors; thickness 1.5 to 2 mm.





AREAS OF USE

- Electric or safety industries such as store rooms or areas used to stock and process inflammable or explosive substances.
- Clean rooms and hospitals.
- Pharmaceuticals industry.
- Data Centers.

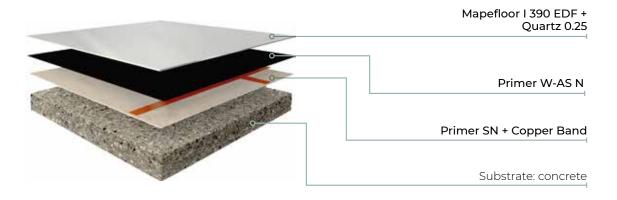


- Electrically conductive, discharges build-up of static electricity to earthing points.
- Smooth finish.
- Dust-repellent and waterproofing.
- High resistance to wear and abrasion from continuous pedestrian traffic and frequent washing.
- Resistant to most aggressive chemical products.
- Easy to clean and sanitise.
- Quick to apply, reduces the time required to carry out work so minimises production down times.





Self-levelling epoxy system with a high solids content for antistatic, dissipative industrial floors, thickness 1.5 to 2 mm.





AREAS OF USE

- Electronics industries where performance characteristics with compliance with norms to control ESD phenomena is not a requirement.
- Store rooms for explosive or inflammable substances.

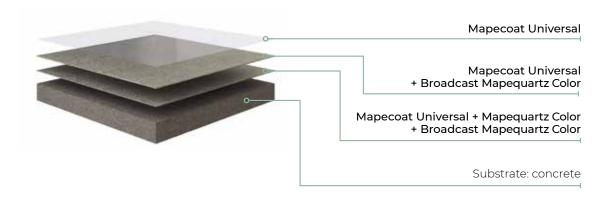


- Electrically conductive, discharges build-up of static electricity to earthing points.
- Smooth finish.
- Dust-repellent and waterproofing.
- High resistance to wear and abrasion from continuous pedestrian traffic and frequent washing.
- Resistant to most aggressive chemical products.
- Easy to clean and sanitise.
- Quick to apply, reduces the time required to carry out work so minimises production down times.





Multi-layered decorative epoxy system with a highly attractive finish for industrial and commercial floors; thickness 2.5 to 3.0 mm.





AREAS OF USE

- Pharmaceutical and chemical industries.
- Electronics industries.
- Foodstuffs industries.
- Show-rooms.
- Shopping centres and residential compounds.

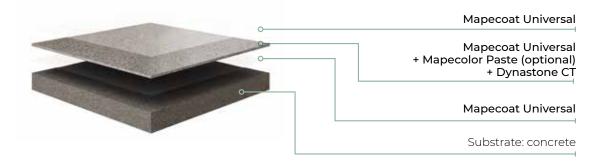


- Dust-repellent and waterproofing.
- High solids content.
- High resistance to wear and abrasion.
- Resistant to most aggressive chemical products.
- Low yellowing.
- Easy to clean and sanitise.





Epoxy mortar closed-pore system with a high aesthetic effect for industrial and commercial floors; thickness 5.0 to 8.0 mm.





AREAS OF USE

- Pharmaceutical and chemical industries.
- Electronics industries.
- Foodstuffs industries.
- Showrooms.
- Shopping centres and residential compounds.



- Dust-repellent and waterproofing.
- High solids content.
- High resistance to wear and abrasion.
- Resistant to most aggressive chemical products.
- Low yellowing.
- Easy to clean and sanitise.





Multi-layered, non-slip polyurethane/cement-based system with high mechanical strength and resistance to chemicals for coating industrial floors; thickness 4 to 6 mm. Complies with standards applied in the foodstuffs sector.





AREAS OF USE

- Pharmaceutical, chemical and foodstuffs industries.
- Diary, wineries, breweries and beverage industries in general.
- Sugar processing and mineral water bottling plants.

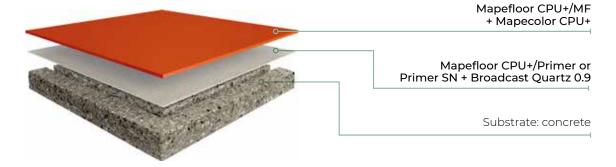


- Rough, non-slip finish.
- Excellent resistance to thermal shock and high resistance to chemicals such as acids, basic solutions, grease, saline solutions, hydrocarbons, etc.
- Suitable for floors subject to heavy traffic for its high mechanical resistance and its resistance to abrasion.
- Easy to sanitize, fulfills HACCP requirements.





Self-levelling polyurethane/cement-based system with high mechanical strength and resistance to chemicals for coating industrial floors; thickness 3 to 6 mm. Complies with standards applied in the foodstuffs sector.





AREAS OF USE

- Pharmaceutical, chemical and foodstuffs industries.
- Dairy, wineries, breweries and beverage industries in general.
- Sugar processing and mineral water bottling plants.



- Smooth finish.
- Excellent resistance to thermal shock and high resistance to chemicals such as acids, basic solutions, grease, saline solutions, hydrocarbons, etc.
- Suitable for floors subject to heavy traffic for its high mechanical resistance and its resistance to abrasion.
- Easy to sanitize, fulfills HACCP requirements.



High-strength polyurethane/cement-based system with high mechanical strength, resistance to chemicals and thermal shock, for non-slip coatings of industrial floors; thickness 6 to 12 mm. Complies with standards applied in the foodstuffs sector.



Mapefloor CPU+/HD + Mapecolor CPU+

Substrate: concrete



AREAS OF USE

- Pharmaceutical, chemical and foodstuffs industries.
- Dairy, wineries, breweries and beverage industries in general.
- Sugar processing and mineral water bottling plants.



- Highly rough, non-slip finish.
- Very good resistance to thermal shock and high resistance to chemicals such as acids, basic solutions, grease, saline solutions, hydrocarbons, etc.
- Suitable for floors subject to heavy traffic for its high mechanical resistance and its resistance to abrasion.
- Easy to sanitize, fulfills HACCP requirements.





Easy-to-apply, high-strength polyurethane/cement-based system with high mechanical strength, resistance to chemicals and thermal shock for non-slip coatings of industrial floors; thickness 4 to 6 mm.



Mapefloor CPU+/NZ + Mapecolor CPU+

Substrate: concrete



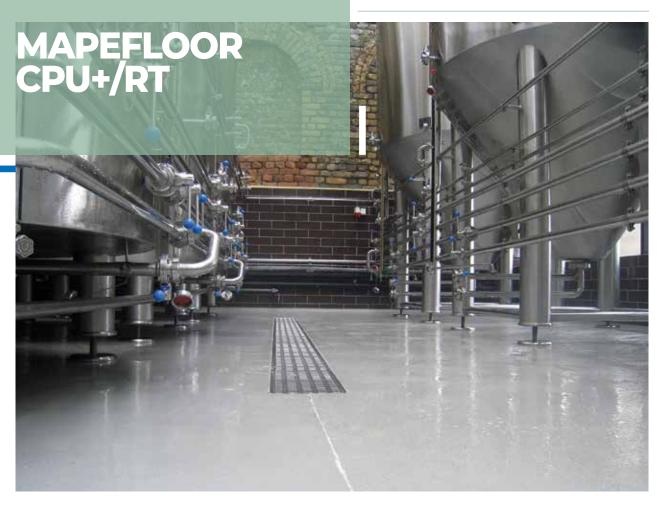
AREAS OF USE

- Pharmaceutical, chemical and foodstuffs industries.
- Dairy, wineries, breweries and beverage industries in general.
- Sugar processing and mineral water bottling plants.



- Highly rough, non-slip finish.
- Easy to apply.
- Good resistance to thermal shock and high resistance to chemicals such as acids, basic solutions, grease, saline solutions, hydrocarbons, etc.
- Suitable for floors subject to heavy traffic for its high mechanical resistance and its resistance to abrasion.
- Easy to sanitize, fulfills HACCP requirements.





Easy-to-apply, high-strength, polyurethane/cement-based mortar system with high mechanical strength, resistance to chemicals and thermal shock for non-slip coating of industrial floors; thickness 6 to 9 mm.

Complies with standards applied in the foodstuffs sector.



Mapefloor CPU+/RT + Mapecolor CPU+

Substrate: concrete



AREAS OF USE

- Pharmaceutical, chemical and foodstuffs industries.
- Dairy, wineries, breweries and beverage industries in general.
- Sugar processing and mineral water bottling plants.

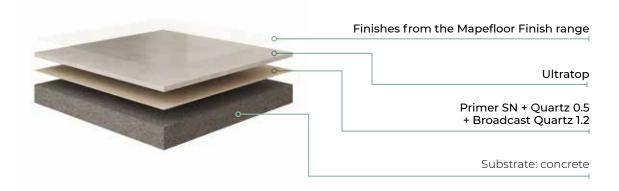


- Highly rough, non-slip finish.
- Easy to apply.
- Very good resistance to thermal shock and high resistance to chemicals such as acids, basic solutions, grease, saline solutions, hydrocarbons, etc.
- Suitable for floors subject to heavy traffic for its high mechanical resistance and its resistance to abrasion.
- Easy to sanitize, fulfills HACCP requirements.





Self-levelling, ultra-fast setting cementitious system for abrasion-resistant floors; thickness 5 to 40 mm.





AREAS OF USE

- Industrial warehouses.
- Areas used by pedestrian traffic.
- Warehouses with an average level of wheeled vehicles for handling and moving goods.
- Finished decorative floors in the civil building sector such as shops, showrooms, offices, shopping centres, etc.

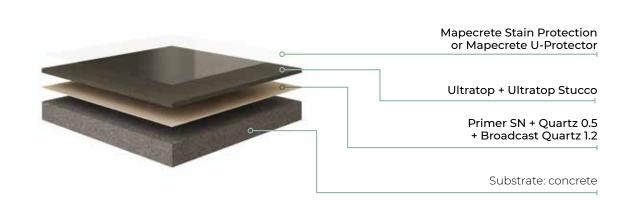


- Very quick to apply to limit down times.
- Sets to foot traffic within just a few hours of application.
- Good resistance to abrasion without the need for further thick coatings.
- Guarantees perfectly flat surfaces.
- Very good mechanical properties and resistance to abrasion: suitable for coating floors in areas subject to medium traffic of wheeled vehicles.





Self-levelling, ultra-fast setting cementitious system for abrasion-resistant floors with a polished effect; thickness 10 to 40 mm.





AREAS OF USE

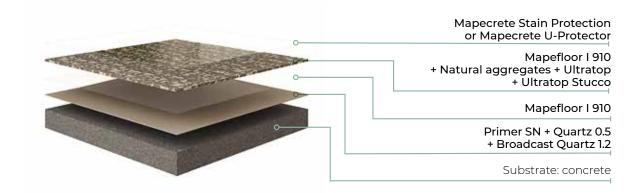
- Shops.
- Museums.
- Restaurants.
- Offices, churches, showrooms, apartments, etc.
- Floors with an exposed finish in shopping centres.



- Very quick to apply.
- May be dry-polished within a few days of application.
- The dry polishing technique allows different shades of Ultratop to be used together.
- Good resistance to abrasion without the need for further coatings.
- Guarantees perfectly flat, smooth, light-reflecting surfaces.



Ultra-fast setting cementitious system for creating abrasion-resistant floors with a "Terrazzo alla Veneziana" effect; thickness 15 to 40 mm.





AREAS OF USE

- Shops.
- Restaurants.
- Offices.
- Churches.
- Showrooms.
- Museums, theatres, etc.
- Shopping centres.
- Hotel receptions, apartments, etc.



- Very quick to apply.
- May be dry-polished within a few days of application.
- Guarantees perfectly flat, smooth, light-reflecting surfaces.
- Good resistance to abrasion without the need for further thick coatings.
- Combining the various colours from the Ultratop range with natural aggregates forms floors with unique patterns.





Cementitious system with a trowelled or mottled effect for creating decorative coatings on floors and walls; thickness up to 2 mm.





AREAS OF USE

- Bars and shops.
- Restaurants.
- Private homes.
- Wellness centres.
- Hotels, resorts.
- Exhibition halls.
- Museums.
- Showrooms.

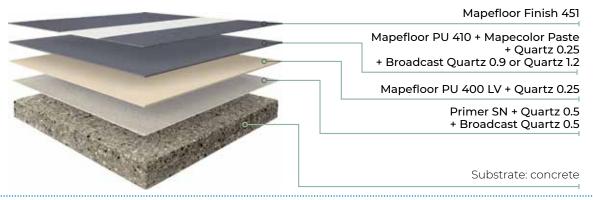


- Easy to apply, quick-drying.
- High resistance to abrasion in areas exposed to heavy foot traffic.
- Versatile. May also be applied on vertical surfaces when installing new floors and restoring old floors.
- Maximum creative freedom: the various colours available may be combined to create unique, impossible to repeat coatings.
- Treated surfaces may be put into service quickly.





Multi-layered, seamless polyurethane system with high dynamic crack-bridging capacity for pedestrian surfaces and areas with vehicle access exposed to intense traffic, also outdoor. The system complies with the Guideline of the German Committee on Reinforced Concrete OS 11a and the concrete surface protection systems according to EN 1504-2; thickness 5 to 5.5 mm.



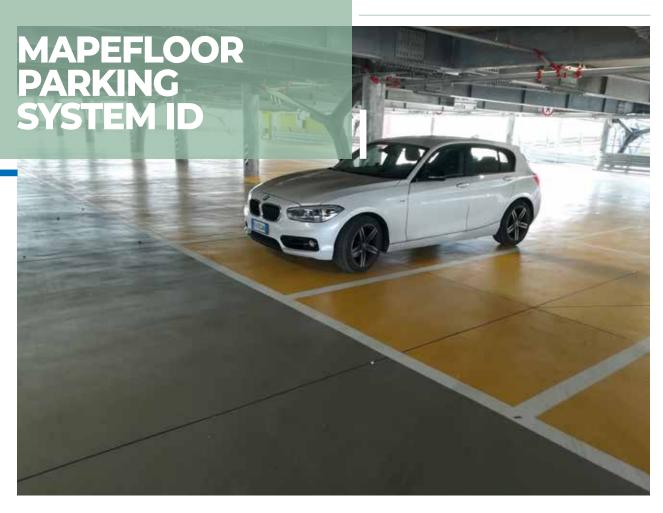


AREAS OF USE

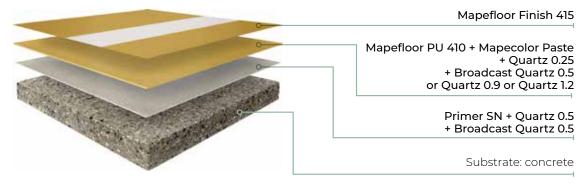
- Surfaces in covered carparks.
- Multi-storey carparks.
- Bridges.
- Walkways.
- Flat roofs with vehicle access.
- Apartment block courtyards for vehicle access to garages.



- High crack-bridging capacity down to -20°C.
- Waterproofing effect.
- Good resistance to mechanical stresses.
- Non-slip finish.
- Characterised by its high resistance to wear and abrasion caused by the constant passage of moving vehicles.



Multi-layered, seamless polyurethane system with good dynamic crack-bridging capacity for pedestrian surfaces and areas with vehicle access exposed to intense traffic indoor. The system complies with the Guideline of the German Committee on Reinforced Concrete OS 13 and the concrete surface protection systems according to EN 1504-2. Total thickness 2 to 2.5 mm.





AREAS OF USE

- Surfaces in covered carparks.
- Multi-storey carparks.
- Bridges.
- Walkways.
- Multi-storey carparks (intermediate floors) exposed to intense traffic, lanes for internal garages and parking spaces.

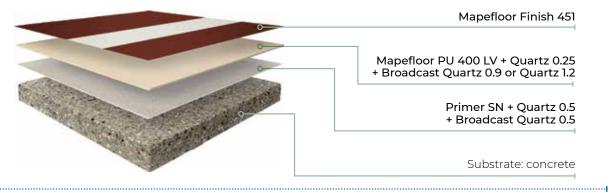


- High crack-bridging capacity down to -10°C.
- Waterproofing effect with a nonslip finish.
- Versatile: may be used to mark out areas according to their different use such as parking areas, transit lanes, pedestrian areas and road markings.
- Characterised by its high resistance to wear and abrasion caused by the constant passage of moving vehicles, excellent resistance to mechanical stresses and aggressive chemicals.





Multi-layered, seamless polyurethane system with high dynamic crack-bridging capacity for pedestrian surfaces and areas with vehicle access exposed to intense traffic also outdoor. The system complies with the Guideline of the German Committee on Reinforced Concrete OS 11b and the concrete surface protection systems according to EN 1504-2; thickness 4 to 4.5 mm.





AREAS OF USE

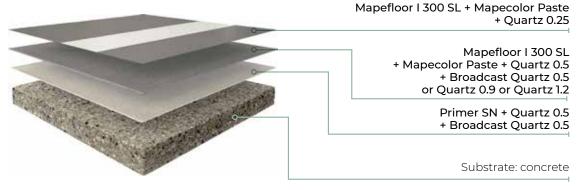
- Surfaces in covered carparks.
- Multi-storey carparks.
- Bridges.
- Walkways.
- Multi-storey carparks (intermediate floors) exposed to intense traffic, lanes for internal garages and parking spaces.



- High crack-bridging capacity down to -20°C.
- Waterproofing effect with a non-slip finish.
- Versatile: may be used to mark out areas according to their different use such as parking areas, transit lanes, pedestrian areas and road markings.
- Characterised by its high resistance to wear and abrasion caused by the constant passage of moving vehicles, excellent resistance to mechanical stresses, UV rays and aggressive chemicals.



Multi-layered, seamless epoxy system for pedestrian areas and surfaces with vehicle access exposed to intense traffic. The system complies with the Guidelines of the German Committee on Reinforced Concrete OS 8 and the concrete surface protection systems according to EN 1504-2; thickness 3 to 3.5 mm.



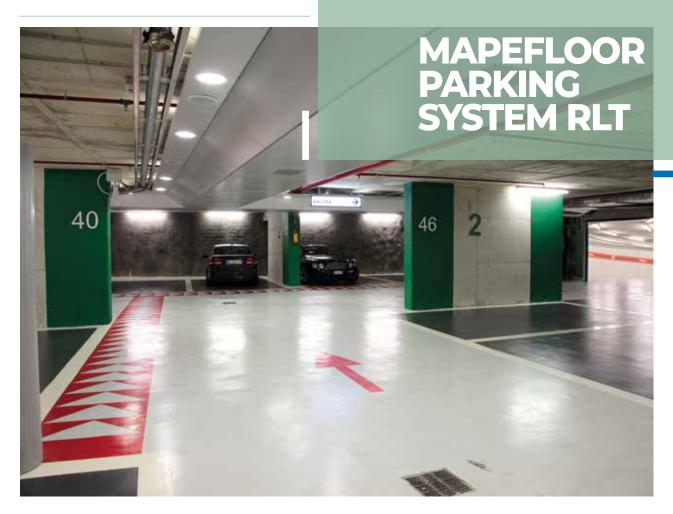


AREAS OF USE

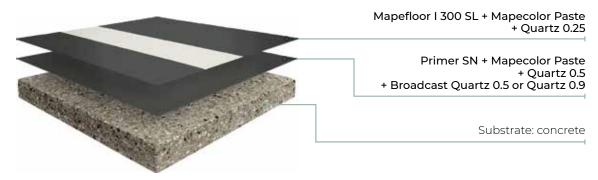
- Surfaces in covered garages, multi-storey carparks, garages, etc.
- Internal carparks, including below ground level, exposed to intense traffic, lanes for internal garages and parking spaces.



- Non-slip finish.
- Gives a waterproof finish and is easy to maintain.
- Versatile: may be used to mark out areas according to their different use such as parking areas, transit lanes, pedestrian areas and road markings.
- Characterised by its high resistance to wear and abrasion caused by the constant passage of moving wheeled vehicles, excellent resistance to mechanical stresses and aggressive chemicals.



Multi-layered, seamless epoxy system for pedestrian surfaces and areas with vehicle access exposed to light traffic. The system complies with the Guidelines of the German Committee on Reinforced Concrete OS 8 and the concrete surface protection systems according to EN 1504-2; thickness 0.8 to 1.2 mm.





AREAS OF USE

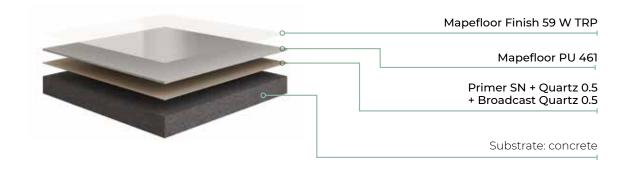
- Surfaces in covered garages, multi-storey carparks, garages, etc.
- Internal carparks, including below ground level, lanes for internal garages and parking spaces.



- Non-slip finish.
- Resistant to most chemicals.
- Versatile: may be used to mark out areas according to their different use such as parking areas, transit lanes, pedestrian areas and road markings.
- Characterised by its high resistance to wear and abrasion caused by the constant passage of moving wheeled vehicles and excellent resistance to mechanical stresses.



Self-levelling, elastic, aliphatic polyurethane resin-based system resistant to UV rays for coating surfaces in civil surroundings; thickness 2 mm.





AREAS OF USE

- Hospitals.
- Museums.
- Libraries, auditoriums.
- Shops.
- Schools, nurseries.
- Apartments.
- Offices, private studios.
- Waiting rooms, doctors' surgeries.

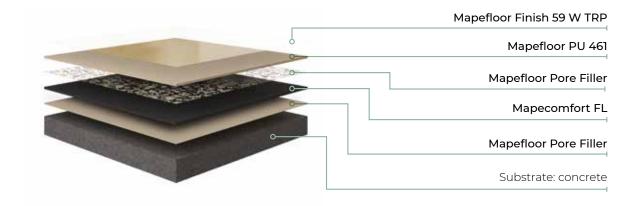


- Easy to apply.
- Very low VOC emission.
- Reduces noise levels.
- Resistant to UV rays.
- Seamless floors with no distribution joints.
- Greatly reduces the force of impact on the ground.
- Elastic, soft and comfortable to walk on.
- Attractive finish.





Self-levelling, elastic, flexible, aliphatic polyurethane resin-based system resistant to UV rays for coating surfaces in civil surroundings; thickness 6 mm.





AREAS OF USE

- Hospitals.
- Museums.
- Libraries, auditoriums.
- Shops.
- Schools, nurseries.
- Apartments.
- Offices, private studios.
- Waiting rooms, doctors' surgeries.

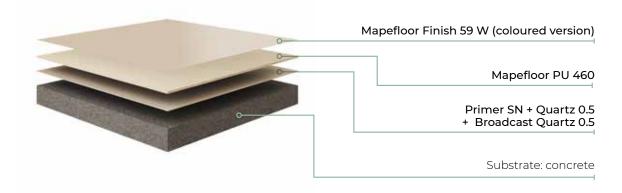


- High level of comfort underfoot.
- Very low VOC emission.
- Greatly reduces the force of impact on the ground.
- Reduces noise levels.
- Resistant to UV rays.
- Seamless floors with no distribution joints.
- Elastic, soft and comfortable to walk on.
- Attractive finish.





Self-levelling, elastic, aromatic polyurethane resin-based system resistant to UV rays for coating surfaces in internal surroundings; thickness 2 mm.





AREAS OF USE

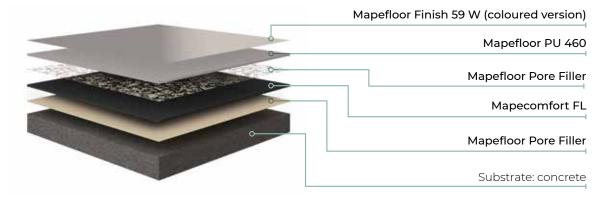
- Hospitals.
- Museums.
- Libraries, auditoriums.
- Shops.
- Schools, nurseries.
- Apartments.
- Offices, private studios.
- Waiting rooms, doctors' surgeries.



- Easy to apply.
- Very low VOC emission.
- Reduces noise levels.
- Resistant to UV rays.
- Seamless floors with no distribution joints.
- Greatly reduces the force of impact on the ground.
- Elastic, soft and comfortable to walk on.
- Attractive finish.



Self-levelling, elastic, flexible, aromatic polyurethane resin-based system resistant to UV rays for coating surfaces in internal surroundings; thickness 6 mm.



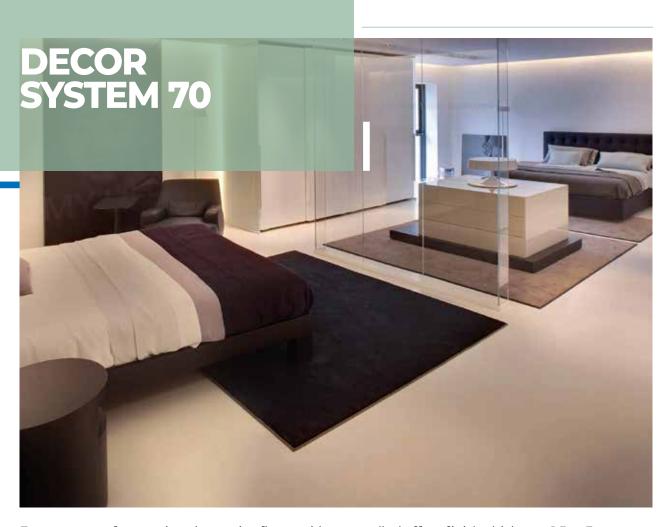


AREAS OF USE

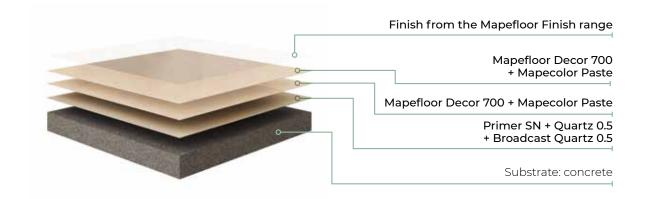
- Hospitals.
- Museums.
- Libraries, auditoriums.
- Shops.
- Schools, nurseries.
- Apartments.
- Offices, private studios.
- Waiting rooms, doctors' surgeries.



- High level of comfort underfoot.
- Very low VOC emission.
- Greatly reduces the force of impact on the ground.
- Reduces noise levels.
- Resistant to UV rays.
- Seamless floors with no distribution joints.
- Elastic, soft and comfortable to walk on.
- Attractive finish.



Epoxy system for creating decorative floors with a trowelled effect finish; thickness 1.5 to 3 mm.





AREAS OF USE

- · Shops.
- Department stores.
- Offices, restaurants.
- Hotel receptions.
- Private homes.
- Coffee bars.
- Hotels, showrooms, etc.

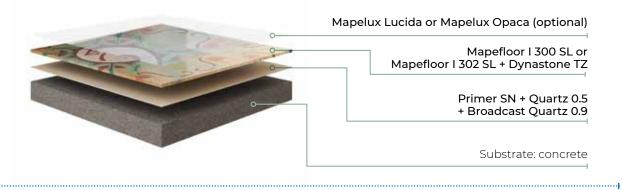


- Quick, easy application.
- Applicable in various thicknesses and in a multitude of colours.
- Resistant to most chemical products, such as diluted acids, base products, oil and fuel.
- High resistance to abrasion in areas exposed to average foot traffic.
- Versatile. May also be applied on vertical surfaces when installing new floors and restoring old floors.
- Treated surfaces may be put into service quickly.





Epoxy system for creating highly decorative and durable floors with a "Terrazzo alla Veneziana" effect; thickness approx. 10 mm.





AREAS OF USE

- Shopping centres, supermarkets.
- Shops.
- Showrooms.
- Banks, offices.
- Schools.
- Theatres and museums.
- Apartments.



- Creates unique patterns and effects.
- Infinite variety of colour schemes Easy to clean and maintain. and finishes.
- Seamless surfaces with limited number of joints.
- High resistance to wear and abrasion for excellent durability.



Self-draining system based on aliphatic polyurethane-based binder mixed with natural aggregates (2-4 mm or 4-8 mm) for creating decorative external surfaces.





AREAS OF USE

- Decorative surfaces for forecourts, walkways and sidewalks.
- Decorative coatings for external areas such as terraces, pathways and colonnades.
- Decorative self-draining coatings around swimming pools.
- Decorative flooring in internal surroundings such as exhibition halls, department stores and shops.



- Highly non-slip finish.
- High resistance to wear and abrasion caused by foot traffic.
- Does not yellow.
- The coloured aggregates in the mix allow floors to be created with a highly decorative finish.





EVERYTHING'S OK WITH MAPEL

HEAD OFFICE MAPEI SpA Via Cafiero, 22 20158 Milan +39-02-37673.1 mapei.com mapei@mapei.it