



MAPECOAT TNS

Resin systems for urban design





ACRYLIC AND EPOXY-ACRYLIC RESINS
FOR LONG-LASTING COATINGS
ON HIGH-USE PAVING.

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Resin systems
for urban design

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Mapecoat TNS solutions

The acrylic and epoxy-acrylic resins from the **Mapecoat TNS** line have been specifically formulated by the **Mapei Research & Development laboratories** to create long-lasting coatings on paving with high levels of pedestrian and/or vehicle use.

Mapecoat TNS resins are water-dispersed products with CE marking and are certified according to EN 1504-2 standards for their high resistance to atmospheric agents, certain chemical substances and de-icing salts. They may also be used in areas with high levels of traffic.

Mapecoat TNS resins may be used to create protective and/or decorative coatings for concrete and asphalt. And lastly, the wide range of colours available in the **Mapecoat TNS** line enables surfaces to be coated with contemporary and aesthetically superior designs.



Mapecoat TNS products

Where they may be used

- Urban design applications
- Cycle lanes
- Multisport areas
- Sunbathing areas around swimming pools
- Parking spaces
- Spectator stands

They may be used by

- Professional users
- Artists
- Municipal and infrastructure maintenance personnel
- Occasional and domestic users

How to apply them

- Roller
- Metal trowel
- Rubber rake
- HVLP pump

Mapecoat TNS Fast



Mapecoat TNS Fast is a one-component, rapid film-forming acrylic resin.

Suitable for creating **outdoor** playing surfaces, cycle lanes, pavements, piazzas, spectator stands, stairs and galleries and sunbathing areas. Suitable for creating **surfaces with low levels of vehicle use**. Apply at least two coats: certain colours may require more than two coats to obtain effective coverage.



PROPERTIES AND ADVANTAGES

- CE marking.
- Certified according to EN 1504-2 standards as a protector for concrete.
- Certified with non-slip properties, tested according to DIN 51097, DIN 51130 and EN 13036-4 standards.
- Applied directly on asphalt and with a primer on concrete or other surfaces.
- High resistance to wear.
- Rapid film-forming, including at low temperatures.
- Simple application with a roller, metal trowel or rubber rake.
- May be applied by spray using a HVLP pump.
- Certified resistance to de-icing salts, acids, oil, petrol, chlorinated water, tested according to EN 13529 standards.
- Colours: white, colours from the colour chart range or in various colours using the **ColorMap®** automatic colouring system.

CERTIFICATIONS



CHECK THE
TECHNICAL
DATASHEET
on mapei.com



Mapecoat TNS Extreme



Mapecoat TNS Extreme is a rapid-drying epoxy-acrylic resin.

It is formulated to create long-lasting coatings on paving used by vehicles and pedestrians and for cycle lanes. Suitable for creating **outdoor** playing surfaces, cycle lanes, pavements, piazzas, spectator stands, stairs and galleries, sunbathing areas, imprinted asphalt, areas open to vehicles and car parks. Suitable for **surfaces with high levels of vehicle use**. Apply at least two coats: certain colours may require more than two coats to obtain effective coverage.



PROPERTIES AND ADVANTAGES

- CE marking.
- Certified according to EN 1504-2 standards as a protector for concrete.
- Certified with non-slip properties, tested according to 13036-4 standards.
- Applied directly on asphalt and with a primer on concrete or other surfaces.
- High resistance to wear.
- Rapid-drying, including at low temperatures.
- Simple application with a roller, metal trowel or rubber rake.
- May be applied by spray using a HVLP pump.
- Certified resistance to de-icing salts, acids, oil, petrol, chlorinated water, etc.
- Colours: white, colours from the colour chart range or in various colours using the **ColorMap®** automatic colouring system.

CERTIFICATIONS



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Mapecoat TNS Extreme SF



Mapecoat TNS Extreme SF is a rapid-drying epoxy-acrylic resin.

Suitable for creating **outdoor** playing surfaces, cycle lanes, pavements, piazzas, spectator stands, stairs and galleries and sunbathing areas. Suitable for creating **surfaces with high levels of vehicle use**.

Apply at least two coats: certain colours may require more than two coats to obtain effective coverage.



PROPERTIES AND ADVANTAGES

- CE marking.
- Certified according to EN 1504-2 standards as a protector for concrete.
- Certified with non-slip properties, tested according to 13036-4 standards.
- Applied directly on asphalt and with a primer on concrete or other surfaces.
- High resistance to wear.
- Rapid-drying, including at low temperatures.
- Simple application with a roller, metal trowel or rubber rake.
- May be applied by spray using a HVLP pump and by airless spray.
- Certified resistance to freezing weather, de-icing salts, acids, oil, petrol, chlorinated water, etc.
- Colours: white, colours from the colour chart range or in various colours using the **ColorMap**® automatic colouring system.

CERTIFICATIONS



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Mapecoat TNS Urban



Mapecoat TNS Urban is a coloured acrylic resin for coating outdoor surfaces.

Suitable for creating **outdoor** cycle lanes, pavements, piazzas, spectator stands, stairs and galleries.

Apply at least two coats: certain colours may require more than two coats to obtain effective coverage.



PROPERTIES AND ADVANTAGES

- CE marking.
- Certified according to EN 1504-2 standards as a protector for concrete.
- Apply directly on asphalt.
- Apply with a primer on concrete or other surfaces.
- High resistance to wear.
- Simple application with a roller, metal trowel or rubber rake.
- May be applied by spray using a HVLP pump.
- Certified resistance to freezing weather, de-icing salts, acids, oil, petrol, chlorinated water, etc.
- Colours: white, colours from the colour chart range or in various colours using the **ColorMap**® automatic colouring system.

CERTIFICATIONS



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Mapecoat TNS Paint



Mapecoat TNS Paint is a coloured finish with selected fillers.

Suitable for application on pervious concrete and for creating **outdoor** playing surfaces, multisport, multipurpose and pedestrian areas and cycle lanes.

Apply at least two coats: certain colours may require more than two coats to obtain effective coverage.



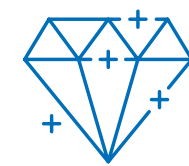
PROPERTIES AND ADVANTAGES

- CE marking.
- Certified according to EN 1504-2 standards as a protector for concrete.
- Apply directly on pervious concrete.
- High resistance to wear.
- Simple application with a roller, rubber trowel or rubber rake.
- Tested for colour variation according to ASTM G 155 cycle 1 standards.
- Colours: white, colours from the colour chart range or in various colours using the **ColorMap®** automatic colouring system

CERTIFICATIONS



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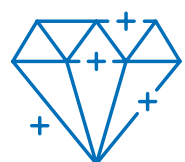
Our references

Mapecoat TNS Fast

Prato Playground - Prato, Italy

Urban regeneration project that transformed a rundown area into a hub for social and sporting activities. Includes a 5-a-side football pitch, skate-park, fully equipped open-air gym and communal pedestrian areas.



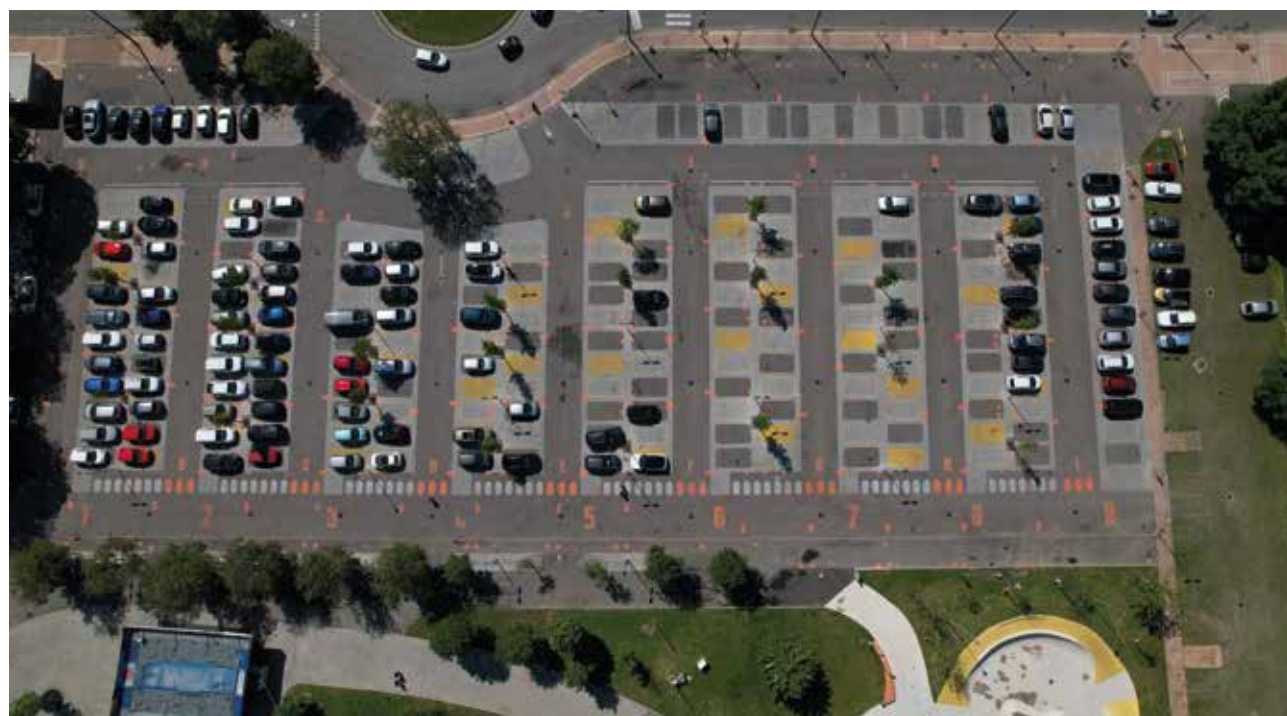


Our references

Mapecoat TNS Extreme

Rozzano Sports Park - Milan, Italy

The product was used to give character and colour to a parking area as part of a more extensive multifunctional sports project. Thanks to the use of colour the work combined functionality, by using colours to distinguish between pedestrian areas and areas open to vehicles, and striking aesthetics.

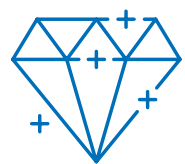


Mapecoat TNS Extreme SF

Don Nicola Mazza Institute – Verona, Italy

Combination of functionality and aesthetics to create a multipurpose surface. For the outdoor area of the school a multi-sport surface with annexed parking area was designed. The result was a surface suitable for playing sports but resistant to vehicles.





Our references

Mapecoat TNS Urban

Cycle and pedestrian lane in Giulianova - Teramo, Italy

The aim of the cycle lane was to give new vitality to the area and to enable further development of local tourism. An eco-sustainable solution to enhance the Monumentale Promenade area in Giulianova. A resistant product with non-slip properties was chosen for this work to protect the asphalt paving.

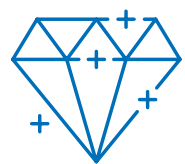


Mapecoat TNS Paint

Cycle and pedestrian lane in Pieve Emanuele - Milan, Italy

The aim of the project was to fulfil the need to connect suburban areas to the cycle and pedestrian network, without altering the hydraulic properties of the area. This solution was chosen for its extensive array of colours, which fulfilled the aesthetic requirements of the area while maintaining the drainage capacity of the sublayer.



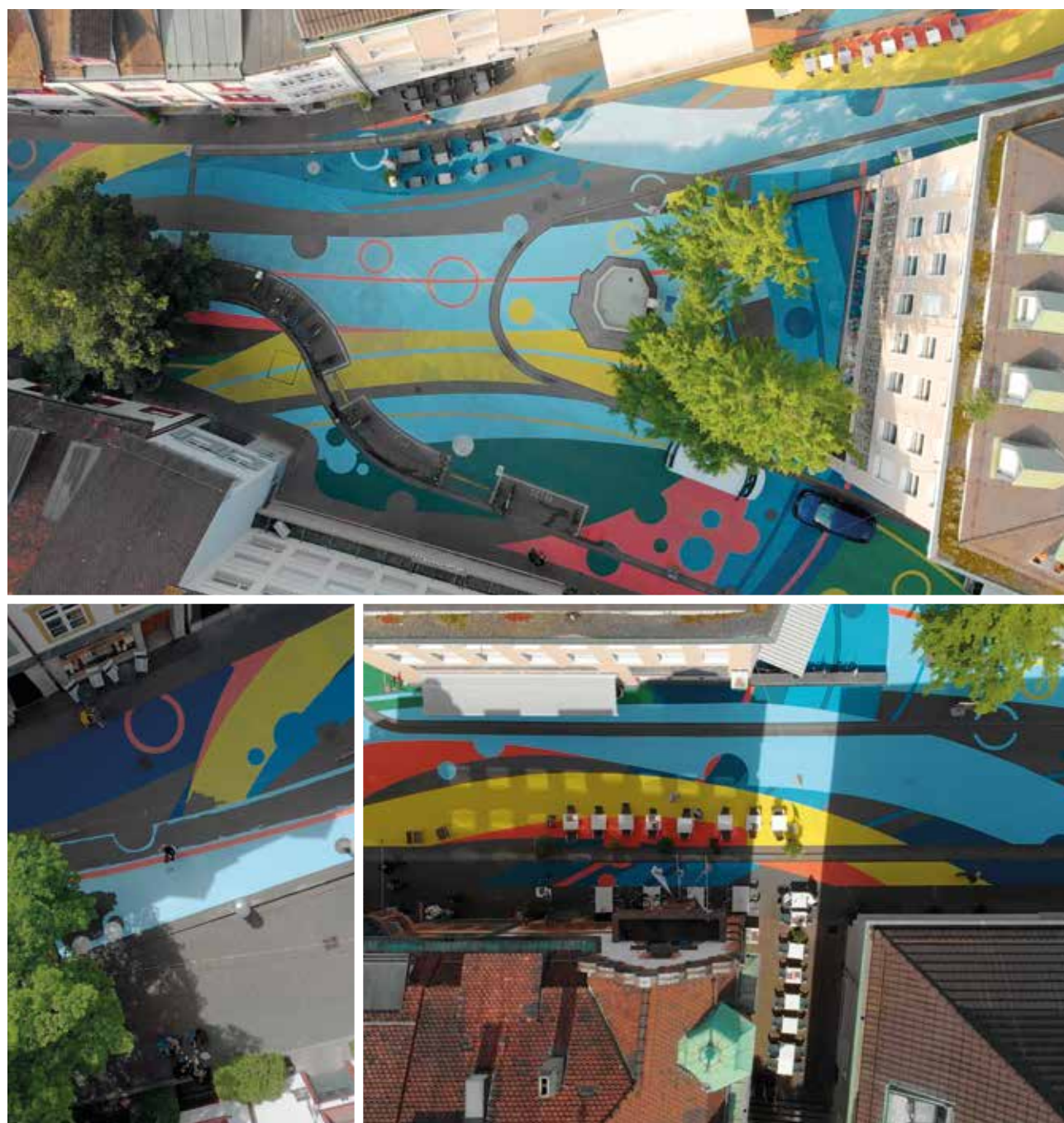


Our references

Mapecoat TNS Fast

Rümelinsplatz – Basel, Switzerland

The project consists of a multi-coloured Y shaped form around the Rümelinsplatz painted with large-scale coloured patterns. A choice which accentuates the perception of a heart in the centre of Basel and which makes this space an enjoyable recreation, shopping and tourism space.

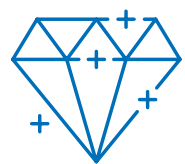


Mapecoat TNS Extreme

Olympic Port - Barcelona, Spain

This project is part of the transformation of the Olympic Port into an urban space of reference. This solution was selected for its rapid-drying properties which allow overall work times to be reduced. Very important was the CE 1504-2 marking indicating it as a protector for concrete, which also ensures chemical resistance to sea-spray, crucial for safe operations in the port.





Our references

Mapecoat TNS Extreme SF

Bike storage - Riga, Latvia

A pedestrian underpass connected to Riga Central Station was converted into a cycle parking area. The coloured resin used to create the multi-coloured design in the parking area helps users find their way in the tunnel and, at the same time, protects the surface from wear caused by the passage of cycles.

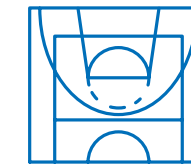


Mapecoat TNS Urban

Changi Airport Connector - Singapore

This project created a 3.5 km long path for pedestrians and cyclists connecting Changi Airport to the "Park Connector Network". A network of cycle and pedestrian paths was created in the eastern part of Singapore which provides both an alternative way of reaching the airport and the occasion for all the local residents to enjoy themselves.





Mapei for all **sports** surfaces

Mapei has been operating in the field of sports facilities since the XXI Olympic Games held in Montreal in 1976, where the new flooring of the athletics track was installed using innovative **Mapei** adhesives technology. Since then the company has always dedicated the utmost attention to paving, developing the most complete and comprehensive range of technical solutions for all types of surfaces and all needs.



Technologies
and solutions



Find the right Mapei
products and sports
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EVERYTHING'S OK,
WITH **MAPEI**



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