



The 5-a-side football pitch was coated with MAPECOAT TNS MULTISPORT PROFESSIONAL, a multi-layered, acrylic resin-based system, which is used for creating polyfunctional sports surfaces with high resistance to wear, UV rays and atmospheric agents.

## Prato (Italy)

# Macrolotto Zero district

ACRYLIC RESINS TO CREATE DURABLE, MULTISPORT PLAYING SURFACES ON BITUMINOUS ROADS

In 2020, the centre of Prato (Central Italy) underwent major urban redevelopment work that transformed a rundown area into a hub for social and sporting activities. Macrolotto Zero is an area right next to the old part of the city centre characterised by its large Chinese community and numerous shops, stores and bars.

With its mix of housing and small factories, its particular social fabric, a high density of buildings and a lack of public and green spaces, the development and integration process proved to be particularly complex, which made it necessary for a complete urban and social redevelopment to be carried out on the entire area.

The lack of piazzas and public spaces, which were needed to promote civil coexistence and encourage social interaction, led to a series of interventions being planned. One of the most significant was the transformation of a previously privately-owned space into a piazza, to create a meeting place where numerous activities could be organised.

Work started in the first months of 2020 with the creation of a 3,000 m<sup>2</sup> bituminous paving, which was chosen for its versatility in forming different patterns, the speed at which it may be applied and for its high compatibility with acrylic resin coating products. The spaces for the Playground project include a 5-a-side football pitch, a skate-park, a well-equipped, open-air gym and communal pedestrian areas where people can socialise and organise public events.

The products chosen for these polyfunctional spaces belong to the MAPECOAT TNS line, which is designed for creating playing surfaces and cycle and pedestrian zones, and even light traffic areas.

### Resistant surfaces for communal spaces

For the 5-a-side football pitch, an area of 800 m<sup>2</sup> was coated with MAPECOAT TNS MULTISPORT PROFESSIONAL, a multi-layered, acrylic resin-based system in water dispersion containing

selected fillers, which is used for creating multi-purpose sports surfaces with high resistance to wear, UV rays and weather ageing agents.

For the remaining surfaces designated for other types of use, on the other hand, the product chosen was MAPECOAT TNS RACE TRACK, an acrylic resin-based, rapid film-forming product in water dispersion that forms a coating on paving that has to withstand high pedestrian use and light traffic.

MAPECOAT TNS RACE TRACK may be used as a finishing coat on external flooring that requires a highly non-slip finish, and forms highly durable, non-slip surfaces that maintain their surface roughness over the years, even when they get wet.

Aesthetics were also a particularly important aspect of this project: in fact, the surfaces were designed with a geometric pattern divided into different colours.

Thanks to ColorMap technology, MAPECOAT TNS products can be used to meet the aesthetic and chromatic requirements of designers and users; in fact, apart from the 36 standard colours, other colours are also available on request to create unique patterns and give projects a truly personal touch.

MAPECOAT TNS RACE TRACK is often used for coating bituminous road surfaces to create cycle tracks and lanes and in urban redevelopment projects to create multipurpose paving and playing surfaces.

**TECHNICAL DATA**  
**Macrolotto Zero district**, Prato (Italy)  
**Year of construction:** 2020  
**Year of the Mapei intervention:** 2020  
**Client:** Francesco Caporaso

**Project manager:** Michela Brachi  
**Design:** Massimo Fabbri, Alessandro Pazzagli  
**Works director:** Massimo Ceccarini  
**Main contractor:** Lanzaro Luigi Srl

**Installation company:** C.M.C. srl  
**Mapei coordinators:** Paolo Cannella, Alberto Cosmelli, Roberto Marotta, Mapei SpA (Italy)

**MAPEI PRODUCTS**  
Coating sport surfaces:  
 Mapecoat TNS Multisport Professional, Mapecoat TNS Race Track

For further info on products: [mapei.com](http://mapei.com)



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