



## Rimini (Italy)

# REDEVELOPMENT OF PIAZZA MALATESTA

THE CENTRE OF RIMINI IS UNDERGOING REDEVELOPMENT WORK SO THAT THE ENTIRE SISMONDO CASTLE AREA MAY BE HANDED BACK TO THE CITY

The redevelopment work on Piazza Malatesta in Rimini (Central Italy) is just part of a more far-reaching restoration project to upgrade the urban areas of the whole of the city. Up until 2015 the piazza was mainly used as a car park and for a twice-weekly market. Once these two services had been eliminated, it was possible to open the site to carry out a campaign of archaeological digs in the Corte a Mare area, which were completed in 2016 and played an important part in deciding how to redevelop the entire area.

The redevelopment work got under way in the middle of 2017 and was divided into three lots. Initially it covered the area along the perimeter of the Corte a Mare, which was cordoned off from the defensive wall formed by the polygon shaped rampart standing between the entrance to the castle and the old moat, with

gardens, lawns and pathways, new street furniture and a display of archaeological treasures.

This is just a part of the overall project and the aim is to create a "Piazza of the Arts" within the so-called "Fellini Museum" project, which has been funded to the tune of 12 million Euros by the Italian Ministry of Cultural Heritage and Activities.

The Piazza will link together various parts of the old part of Rimini, once

they have been redeveloped and closed to traffic, in a kind of cultural journey between the buildings from different eras.

### Working with cutting-edge systems

First Lot: Corte a Mare. As per the project design, the defensive wall, a feature which follows the polygon form of the ancient external castle rampart, was turned into a continu-





ous seating area covered with Lessina stone. Mapei Technical Services recommended bonding the stone with KERAFLEX MAXI S1 deformable, cementitious white adhesive. The archaeological dig carried out in this area had unearthed small portions of paving dating back to the nineteenth century which was restored using MAPESTONE PFS2, a pre-mixed, high-strength mortar with exposure classes XF4 and XS3. All these different areas are joined together by a series of paths made from light coloured stabilised material with a natural finish, rammed and consolidated using COLD PAV 1 as a binder. COLD PAV 1 is a fibro-reinforced powder binder based on hydraulic components for the treatment of first-use, recycled and RAP soils and aggregates used for the construction of foundation layers and road surfaces with a high working load.

Second lot: Castle Gardens. Redevelopment of the area continued along the western side. The Castle Gardens overlooking the area were created by remodelling and landscaping the green areas and includes an arena with wooden benches where open-air meetings, shows and concerts will be held. The paving for the footpaths, the arena and the raised eaves was made from architectonic coloured concrete using the MAPEI COLOR PAVING®. The system is specifically developed to make high performance, durable exposed aggregate concrete paving, with a pattern similar to that of terrazzo alla Veneziana floors. Depending on the type, nature and colour of the aggregates used, their exposure class, the possible addition of inserts or joints and so on, bespoke patterns can be created for a personalised finish, making it fully integrable with its surroundings.

**ABOVE.** The exposed aggregate concrete footpaths in the Castle Gardens were built with the MAPEI COLOR PAVING® system.

**1 and 2.** KERAFLEX MAXI S1 was used to bond stone on the seating area in the Corte a Mare section.

## MAPEWASH PO

Biodegradable vegetable oil-based surface set retardant with a curing effect to create an architectural exposed aggregate finish on the surface of cast concrete

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### TECHNICAL DATA

**Corte a Mare and Castle Gardens,** Rimini (Italy)

**Period of construction:** 1437-1456

**Period of the intervention:** 2018-2019

**Intervention by Mapei:** supplying products for installing stone paving, grouting joints, building

footpaths, building exposed aggregate concrete floors in exteriors

**Design:** Manuela Masini, Luigi Baroni and Rosella Santolini, Rimini City Council

**Client:** Rimini City Council  
**Works director:** Gianni Arlotti

**Main contractor:** Pesaresi Giuseppe SpA

### Installation companies:

D.D.F. Marmi and Lithos Pav

### Mapei coordinators:

Fabio Costanzi, Francesco Cerutti, Fabrizio Maltoni and Andrea Bettini, Mapei SpA (Italy)

### MAPEI PRODUCTS

Bonding stone: Keraflex

Maxi S1

Grouting joints: Mapestone PF S2

Building exposed aggregate concrete footpaths: Mapei Color Paving®.

For further information on products visit [www.mapei.com](http://www.mapei.com)