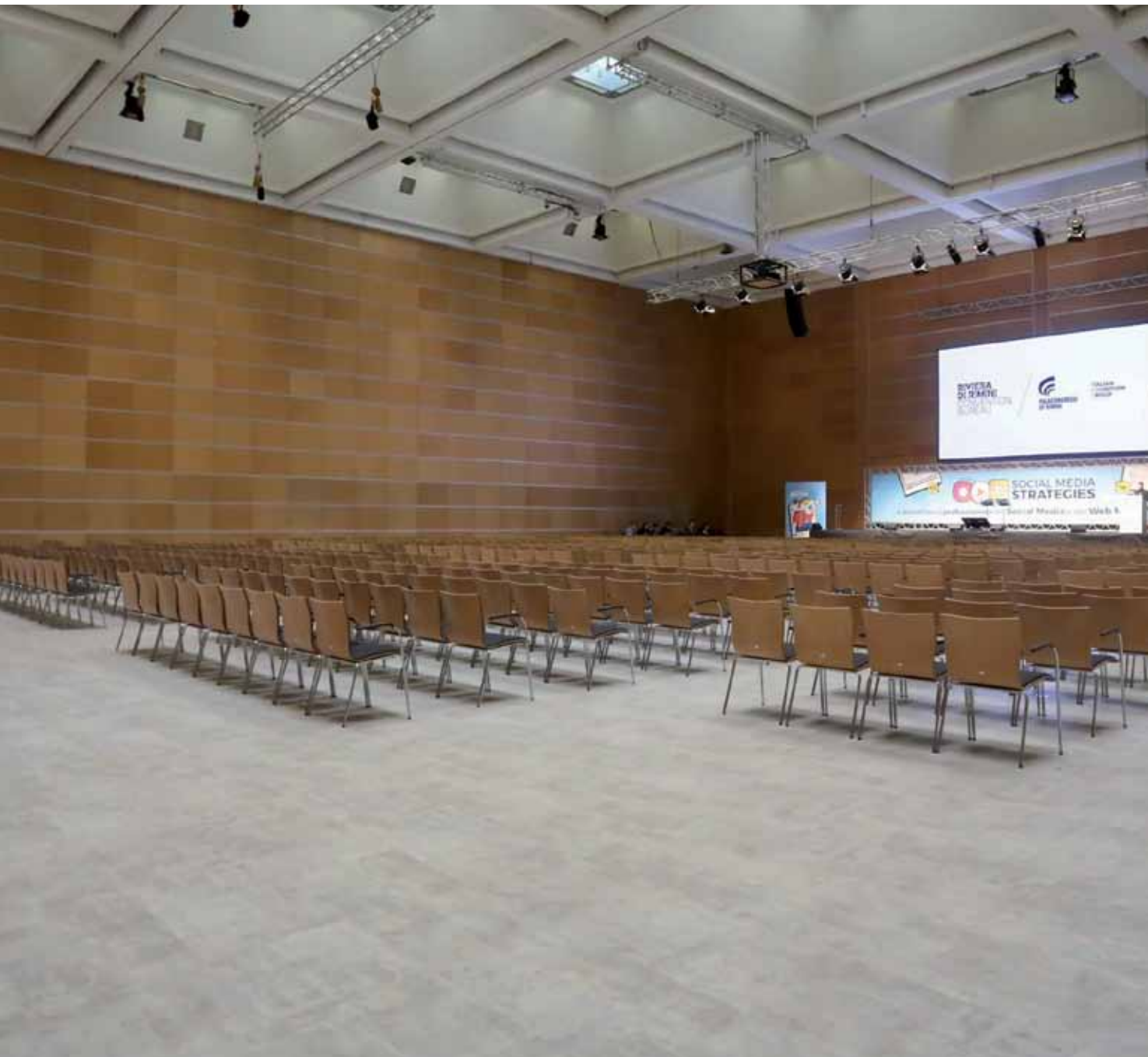


Rimini (Italy)

PALACONGRESSI RIMINI

MAPEI SYSTEMS FOR INSTALLING THE ORGANIC RESILIENT FLOORING PURLINE BY WINEO IN ONE OF THE LARGEST CONGRESS CENTRES IN EUROPE



RIGHT.
The Palacongressi conference centre in Rimini was designed and built with a strong focus on the respect for the environment.



The Palacongressi conference centre in Rimini – designed by the architect Volkwin Marg from gmp Architects in Hamburg and managed by Italian Exhibition Group SpA – was inaugurated in 2011. The structure extends over an area of 38,000 m² and is the largest congress centres built from scratch in Italy. It was designed and constructed with an accent on respect for the environment, technological innovation and flexibility of use. Situated just a few minutes from the city centre, it has large spaces that can accommodate any size or type of congress. On the ground floor there is a large multipurpose hall (around 4,700 m²) and its original industrial flooring was recently renovated using numerous Mapei product systems to overcome various types of problem: cracks, unsuitable materials and defects in its flatness.

REPAIRS AND INSTALLATION ON SCHEDULE AND WITHIN BUDGET

The schedule to carry out the work – which was particularly tight so that the centre could honour its commitments – meant the site would only be available between the end of July and the middle of August.

To satisfy the special requirements of the client, Mapei Technical Services were also involved during the preliminary work to define how the work should be carried out and to select the most appropriate materials for the work. In order to keep costs down, rather than skim the entire surface, it was decided to carry out localised repair work which would still enable a suitable substrate to be created for the type of flooring chosen.

PLANIPREP FAST TRACK proved to be particularly effective for this job. This product is an ultra rapid-drying, fine textured, thixotropic cementitious compound for skimming and levelling-off the surface of new and old substrates (from a feather edge up to a maximum thickness of 3 mm) to make them suitable for installing any type of flooring very quickly (after just 2 hours), including resilient and textile flooring.

Flatness was restored to the substrate where required by using NIVORAPID and LATEX PLUS, which together form a strong, resistant levelling layer with excellent bonding strength. The cracks in the flooring were opened up and then sealed with EPORIP two-component, solvent-free, epoxy adhesive mixed with QUARTZ 1.2 quartz sand.

PLANIPATCH smooth, ultra-fast setting patching compound was also used in certain areas to restore flatness. Certain parts of the existing floors needed to be demolished and were rebuilt with TOPCEM PRONTO ready-to-use, normal setting, quick-drying mortar, which was bonded monolithically to the old screed with EPORIP two-component, solvent free epoxy adhesive.

The decision about the flooring was crucial given the specific needs: a low thickness resilient floor with very high resistance performance (including passage of heavy vehicles up to 140 quintals, stains and aggressive agents, etc.), bio-based and sustainable in accordance with the green philosophy of the building and the fair authority itself, a modern design that adapted to the existing context. The choice therefore fell on the organic flooring PURLINE by Wineo, the resilient floor able to satisfy



1. Before installing the floors, the substrates were skimmed with PLANIPREP FAST TRACK. Flatness was restored to the substrate where required by using NIVORAPID and LATEX PLUS. 2, 3, 4. PURLINE organic flooring by Wineo was installed with ADESILEX G20 adhesive. 5. ULTRABOND MS RAPID rapid-setting assembly adhesive and MAPESIL AC sealant were used to seal the manholes.



all requirements: an ecological polyurethane floor, obtained from natural renewable elements, free of chlorine, solvents and plasticizers and consequently free of harmful emissions, as asserted by the numerous quality certifications obtained.

Because of the particular type of use of the hall, the mechanical stresses and loads the flooring in the hall is exposed to and the fact that machinery and equipment pass through the hall, the adhesive chosen to bond the flooring was two-component, low viscosity, epoxy-polyurethane ADESILEX G20, which is normally used for bonding rubber, PVC and resilient and textile floors, especially in the event of intense mechanical stress. To seal the manholes in the floor, the products used were MAPESIL AC pure, acetic silicone sealant and ULTRABOND MS RAPID rapid-setting assembly adhesive.

IN THE SPOTLIGHT
ADESILEX G20

It is a low-viscosity, two-component epoxy-polyurethane adhesive for resilient and textile flooring in interiors and exteriors. Extremely strong and elastic, it is particularly suitable for non-absorbent substrates or moisture-sensitive substrates (wood, metal, ceramic, stone, resin, PVC, rubber, etc.). It is used for bonding rubber, PVC and all common types of resilient and textile floors, especially in the event of extreme stress due to solar radiation, intense mechanical stress by lift truck, forklift, etc., thermal shock or long-time contact with water.



TECHNICAL DATA

Palacongressi Rimini Congress Centre, Rimini (Italy)

Year of construction: 2011

Original design: Volkwin Marg, gmp Architects

Year of the Mapei

intervention: 2019

Intervention by Mapei:

supplying products for preparing substrates and

bonding resilient floors

Client: Italian Exhibition Group SpA

Design: Claudia Campagna

Works director: Italian Exhibition Group SpA

Works director: Claudio Colombo

Safety coordinator: Renato Veronesi

Contractor: Baldacci

Costruzioni

Floor installation company: Davide Guidi

Installed material: PURLINE organic flooring by Wineo

Distributor: Centro Moquette Rimini Srl

Mapei coordinators: Paola Di Silvestro and Antonio Costanzi, Mapei SpA (Italy)

MAPEI PRODUCTS

Preparing substrates: Eporip, Nivorapid, Latex Plus, Planipatch, Planiprep Fast Track, Ultraplan

Bonding resilient floors: Adesilex G20

Sealing joints: Mapesil AC, Ultrabond MS Rapid

For further info mapei.com