



Mosaic tiles supplied by Mosaico+, a subsidiary of the Mapei Group, were bonded in the swimming pool with ULTRALITE S1 cementitious adhesive with no vertical slip.



LEFT. In the corridor that connects the two structures, large Fiandre tiles (measuring 150 x 320 cm) were installed on the walls with ULTRALITE S1 adhesive. **RIGHT.** In the wellness area, large-size ceramic tiles were bonded on the floors with KERAFLEX EASY S1 adhesive.



Milano Marittima (Province of Ravenna, Italy) The new Hotel Brasil

CERAMIC TILES AND MOSAICS FOR THE NEW WELLNESS CENTRE AND OUTDOOR SWIMMING POOL

Hotel Brasil, which had already been revamped in 2008, was extended in 2020 following the owners' decision to purchase the nearby Hotel Venezia and merge it with Hotel Brasil to create a single hotel complex with a corridor that connects the two structures. Both structures have now been renovated: various works were carried out at the Hotel Brasil to bring it in line with current fire regulations and standards and four rooms were renovated to make them more welcoming for disabled guests.

The work carried out on the former Hotel Venezia, on the other hand, was much more substantial. Built in the 1960's, it was suffering from both structural and functional deficiencies which required important work to be carried out on site on the hotel's reinforced concrete skeleton. Besides, the ground-floor and basement areas needed to be waterproofed.

This section of the complex currently has 14 rooms that have been completely renovated and modernised. On the ground floor, the structure has also been equipped with a wellness centre. The wellness zone overlooks a large outdoor heated swimming pool covered with mosaic, with a solarium featuring wood decking and a garden alongside.

The transformation of a structure

Mapei experts took part in the initial training for the site teams and then followed the actual works. The first step was to dehumidify the masonry at ground-floor level by applying MAPESTOP CREAM emulsion, which forms a chemical barrier to stop capillary rising damp, followed by POROMAP RINZAFFO PLUS, POROMAP DEUMIDIFICANTE and POROMAP FINITURA CIVILE dehumidifying

renders and mortars.

The internal walls in various areas of the hotel were rendered and smoothed with INTOMAP R2 FIBRO fibre-reinforced mortar and smoothed with PLANITOP 525 smoothing compound.

The façades of the former Hotel Venezia (for a total area of around 1000 m²) were covered with the MAPETHERM external thermal insulation system: MAPETHERM AR 1 GG one-component cementitious mortar was chosen to bond and smooth the insulating panels while MAPETHERM NET was embedded to create a reinforced skim coat. The façades were finished off with QUARZOLITE BASE COAT, followed by a trowel-applied layer of SILAN-COLOR AC TONACHINO PLUS mould and algae-resistant hygienising coating.

Waterproofing foundations, terraces and pools

The hotel also needed storage tanks with a capacity of 30,000 litres, as specified by local fire department regulations and as a reserve of potable water. These storage tanks were constructed underneath the swimming pool at a depth of 3.5 m and needed a particularly resistant waterproofing system due to the presence of groundwater 0.8 m below ground level. The drainage system was also completely rebuilt to comply with the regulations and standards of the local Health Authority.

Underneath the storage tanks, the foundations were waterproofed from under the slab with MAPEPROOF FBT, a synthetic membrane made up of a synthetic FPO sheet tightly coupled to a layer of non-woven fabric, before casting concrete

After casting concrete, MAPEPROOF SA self-adhesive



Underneath the storage tanks, the foundations were waterproofed from under the slab with MAPEPROOF FBT, a waterproofing membrane made up of a synthetic FPO sheet tightly coupled to a layer of non-woven fabric.

HDPE membrane and MAPETHENE HT self-adhesive bituminous membrane bonded to a double layer of HDPE (high density polyethylene) film were used to waterproof the vertical walls. MAPETHENE HT was also used to waterproof the elevator shaft.

The swimming pool was then built above the storage tanks. MAPELASTIC TURBO elastic cementitious mortar, together with the accessories of MAPEBAND EASY system, were used to waterproof substrates in the swimming pool, terraces and part of the wellness center, as well as the showers in the guestrooms.

Installing mosaics and ceramic tiles

In the corridor that connects the two hotels, large-size Fiandre ceramic tiles were installed on the walls with ULTRALITE S1 adhesive. The floorings in the guestrooms and the wellness area were covered with large-size porcelain tiles by Florim bonded with KERAFLEX EASY S1 deformable cementitious adhesive which is particularly suitable for bonding large-size ceramic tiles over large areas of flooring.

Ceramic tiles were bonded on the terraces with KERAQUICK MAXI S1 deformable, non-slip cementitious adhesive, which was chosen due to its rapid-setting and hydrating properties and excellent cleanability. Joints were grouted using ULTRACOLOR PLUS in various shades to match the colours of the ceramic tiles.

Decorative glass mosaic supplied by Mosaico+ (a subsidiary of the Mapei Group) was chosen to cover the surfaces of the outdoor swimming pool and installed using ULTRALITE S1 cementitious adhesive with no vertical slip. The same product was used for bonding metallic mosaics by Mosaico+ in the bathrooms, showers of the guestrooms and in the wellness area. The product chosen to grout joints in the mosaic coverings was KERAPOXY CQ epoxy grout which was also used for grouting joints in the



Find out more
ULTRALITE S1



Find out more
MAPEPROOF FBT

TECHNICAL DATA

Hotel Brasil, Milano Marittima (Italy)
Period of the intervention: 2020-2021
Design and works direction: Annalisa Casadei, Studio Arkigeo
Owner: Società Mare Adriatico
Main contractors: Adriatica Costruzioni Cervese, Edil Omnia
Waterproofing contractor: Trading
Thermal insulation and

coatings contractor:

Artigiancasa
Mosaic and ceramic tiles installation company: General Service
Mapei distributor: Faro
Photos: Giulio Semprini
Mapei coordinators: Fabio Costanzi, Andrea Melotti, Stefano Mazzotti, Fabrizio Maltoni, and Thomas Gessaroli, Mapei SpA (Italy)

MAPEI PRODUCTS

Waterproofing: Mapeband Easy, Mapelastac,

Mapelastac Turbo, Mapeproof FBT, Mapeproof SA, Mapethene HT
Dehumidifying masonry: Mapestop Cream, Poromap Deumidificante, Poromap Rinzaffo Plus
Renovating internal walls: Intomap R2 Fibro, Planitop 525
Thermal insulation: Mapetherm AR 1 GG, Mapetherm Net
Wall coatings: Quarzolite Base Coat, Silancolor AC

Tonachino Plus
Bonding ceramic tiles and mosaics: Keraflex Easy S1, Keraquick Maxi S1, Ultralite S1
Grouting joints: Kerapoxy CQ, Ultracolor Plus

MOSAICO+ PRODUCTS

P-saico, Èmetallo, Divetro, Concerto, Cromie, custom-made Decoro

For further information on products: mapei.com, mosaicopiu.it

AN INCREASINGLY CLOSE RELATIONSHIP WITH THE WORLD OF DESIGN

INTERVIEW WITH STEFANO NENCIONI, GENERAL MANAGER OF MOSAICO+

Over the last few years, clients from both the public and private sectors have been opting more and more for mosaics in bathrooms, saunas, swimming pools and kitchens. What do you think this preference is due to?

Mosaic is a universal covering solution and, with its more small-size formats, has come back into fashion, similar to what happened with large-size ceramic tiles. Besides, it is a particularly good choice when covering curved surfaces which often characterise spa centres and swimming pools. It is recommended for environments that require particular care, such as showers and swimming pools. What is more, the extensive range of colours available means it is a valid option for covering surfaces in residential complexes which are undergoing significant refurbishment work.

As a result of this evolution, there is now an infinite array of solutions which are particularly striking for their various colours, forms and materials. With this trend in mind, how would you say Mosaico+'s way of working has changed?

Mosaico+ likes to emphasise its role as a partner for designers, constantly in search of solutions that enable stylistic ideas at the base of a project to become reality. And this is reflected in our collaboration with selected designers, enhancing our range of products with solutions that focus on the design needs of clients.

How much does choosing the most appropriate adhesives and grouts for joints, according to area of use, type of mosaic and expected stresses and loads, effect the final result of a mosaic covering?

With mosaic the joints can radically change the final result; they are an integral part of the overall aesthetic

outcome you are looking for in a project. Apart from their decorative aspect, the technical and performance properties of adhesives and grouts enable our materials to perform at 100% and in line with project requirements.

What will you be showcasing at Cersaie 2021?

This year we will be back with a collection designed by Studio Irvine, called Loom. The public will also be able to see Cut-up, a collection of full-body porcelain stoneware designed by Massimo Nadalini and Cardo which was launched at the end of June. It is inspired by the literary technique which consists in physically cutting written text, leaving the words or complete sentences intact. By mixing these various fragments together, new texts are created which maintain a certain logic, although at times they can be incomprehensible. And lastly there will be a revisited version of P-saico collection, P-saico mélange, where the closest and most distant shades on the spectrum are mixed to create a vibrant Seminato-type floor, in which the shade chosen for the grout modifies the final perception of the surface quite significantly.

ADI (Italian Association for Industrial Design) has chosen two Mosaico+ collections for the ADI Design Index 2020: what kind of relationship do you have with the design world?

Our relationship with the design world is becoming closer and closer and to receive recognition, such as by being inserted in the ADI Design Index, is confirmation that the path we have undertaken is taking us in the right direction, which includes our collaboration with designers into the research and development of new products.



A few examples of mosaics by Mosaico+: from left on, the custom-made mosaic used for Hotel Brasil, P-saico and Cut-up collections.



MOSAICO+