



Sydney, Australia

THE STAR EVENT CENTRE

MAPEI ADHESIVES AND GROUTS IN THE MOST LUXURIOUS HOTEL AND CASINO IN THE CAPITAL OF NEW SOUTH WALES, AUSTRALIA



The Star is a six-star, 60-level hotel and residential tower in Sydney. The competition winning design features a pair of gently adjusting tower-forms, slim at the base, that taper outwards at the top. This is an organic responsive architecture formed and shaped by the line of winter sun into public space and parks, curved to reduce wind effects and optimising amenity, access to harbour views and sunlight for the occupants.

The Star is Sydney's premium entertainment destination. The Star offers award-winning chefs and restaurants, luxury hotel accommodation and serviced apartments, a 13-room day spa, an international designer retail collection as well a world-class casino and international nightclub Marquee. The 100 million US dollar Star Event Centre is a state-of-the-art multi-use venue and has hosted more than 400 events since opening in January 2013, and international talent such as Coldplay, Ricky Martin, Seal, Garbage, One Republic, Jessica Mauboy and Alicia Keys. The new 22 million US dollar "Grand Foyer" includes a 25-m-long, 8K resolution crescent-shaped screen which



IN THE SPOTLIGHT KERAFLEX MAXI S1

High performance, deformable, cementitious adhesive with extended open time and no vertical slip, for the installation of ceramic tiles and stone material, with a very low emission level of volatile organic compounds. It is highly thixotropic and especially suitable for the installation of large-size porcelain tiles and natural stone. It features low viscosity, extended open and adjustability time, high workability, and good capability to accommodate the different deformation of the covering from the substrate.



showcases the works of Australian artists, university students, cinematographers and animators. Alongside the digital canvas, is the first sculptural water installation of its design in the Southern Hemisphere: the "Aquatique" artwork of falling water.

WATERPROOFING SUBSTRATES AND INSTALLING LARGE-SIZE CERAMIC TILES

A redevelopment project was carried out which also included a brand-new bar, luxury retailers and a world first permanent indoor light and interactive digital art foyer. The installation company Nash Group was commissioned to install 2000 m² of Cararra marble and Nero Marquina marble on the interior floors using KERAFLEX MAXI S1 high performance adhesive. About 2000 m² of black granite and grey granite slabs were installed in the external roadway entrance and footpaths directly outside the hotel using KERAQUICK S1, a fast-setting adhesive manufactured and distributed on the Australian market by Mapei Australia, which was superseded on the international market by KERAQUICK S1 MAXI.

1000 x 3000 mm large porcelain tiles were installed in the restrooms and 1200 x 1200 mm panels in the water feature of the main foyer by using GRANIRAPID cementitious adhesive. All the tile and stone joints were grouted with ULTRACOLOR PLUS anti-efflorescence, quick-setting and drying mortar. Joints in the water feature were grouted with KERAPOXY epoxy grout. Prior to the installation, all the wet substrates had been waterproofed using MAPELASTIC SMART high-flexibility cementitious mortar.



About 2000 m² of Cararra Marble and Nero Marquina marble slabs were installed on the floor in the interiors using KERAFLEX MAXI S1 adhesive.



TECHNICAL DATA

The Star Casino, Sydney (Australia)

Period of construction: 2018-2019

Period of the intervention: 2018-2019

Intervention by Mapei: supplying products to waterproof substrates, installing ceramic tiles and marble slabs and grouting joints

Client: Star Entertainment Group

Design: FJMT

Main contractor: Shape
Installation company: The Nash Group

Mapei coordinator: Joe Ceravolo, Mapei Australia

MAPEI PRODUCTS

Waterproofing substrates:

Mapelastic Smart

Bonding and grouting ceramic tiles and stone materials:

Keraflex Maxi S1, Keraquick S1*, Granirapid, Ultracolor Plus, Kerapoxy, Mapesil AC

*This product is manufactured and distributed on the Australian market by Mapei Australia.

For further information on products see mapei.com and mapei.com.au