

Hilton Hotel

GDAŃSK - POLAND

Gdańsk

KEY FACTS

- A five star hotel with a view
- More than 10 000 m² of ceramic tiles installed with MAPEI products



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Let's present the project...

The five star Hilton Hotel in Gdańsk, located along the banks of Motława River, in no. 1 Targ Rybny square (the Fishmarket) was opened on the 16th of June, 2010. It is the second structure from the Hilton Hotels brand in Poland, as the first one is situated in Warsaw. The Hotel offers its guests 150 rooms and suites, 4 modern conference rooms and 2 banquet halls which can be connected in a way to hold round 530 guests on an area reaching 600 m². The Hilton is equipped with a restaurant, 2 bars, a gym and a Wellness center. This facility is situated on the building's roof, along with a swimming pool with a glazed system above, as well as a beach terrace which makes a unusual in Poland Urban Beach concept example. The terrace overlooks the Motława River with a splendid view to the Old Town of Gdańsk.

The building was designed by an original architecture atelier of professor Stefan Kuryłowicz - Kuryłowicz & Associates sp. z o.o. and as the General Contractor was chosen the Budros sp. z o.o. company. The close collaboration with the monuments' conservator who, right from the design concept, imposed precise restrictions, resulted in an exceptional outcome. The hotel's structure refers with the roof-line and parceling to the adjacent tenement. The use of red brick, so typical for Gdańsk's building development, makes the hotel an inherent, harmonic part of Motława's panorama. The building is placed in the Teutonic Knights castle area from 550 years ago which remains can be recognized in the bordering Swan Tower.

The hotel's interior is a fusion of architect's and contractor's visions, as well as the experiences of the Hilton Hotels brand. Its color scheme is violet with many artistic glass decorations created by a Polish artist, Edyta Barańska. The most spectacular impression makes a luminous sculpture, the Seaflowers chandelier which graces the hotel's atrium. This piece of art is composed of 25 thousand hand-made fused glass flowers hanged on 9 km of fiber-optic cables.

The Hilton Hotel in Gdańsk, raised only 3 years ago, during just the first 2 years of operation was honored with several awards, among which is the 17th place of the "Places to go 2011" New York Times' list or the 38th place of the 500 best hotels in the whole world ranking, based on 500 thousand reviews from Expedia Insiders' Select web portal.

...and MAPEI contribution

The finishing works stage of the Hilton Hotel's interiors involved many MAPEI solutions. The range included all bathrooms, social back-up facilities and kitchens. Additionally, swimming pool's zone reprofiling was executed, along with pouring concrete layer on stairs and on all window sills', and with substrate's preparation and repair in the gym.

The interior's design project included different kinds of ceramic tiles installation in bathrooms and other sanitary facilities. Traditional tiles were bonded with ADESILEX P9 adhesive, whereas for mosaics, an epoxy mortar under the name of KERAPOXY was used. The substrates under the tiles were primed with a synthetic resin-based agent, PRIMER G and protected afterwards with a flexible, fast-drying MAPEGUM WPS membrane for waterproofing insulation. In these areas, the grouting process was performed with ULTRACOLOR PLUS. The social back-up facilities had the floors made from TOPCEM PRONTO, a ready-for-use cement-base slurry for fast-drying (up to 4 days) cementitious screeds. Because of the fact, that the floor's thickness was below 35 mm, it was necessary to improve its performance and create a bridge layer with synthetic rubber latex, PLANICRETE. The social back-up facilities area had the 30 x 30 cm big milled rock tiles bonded with ADESILEX P9 which were subsequently grouted with KERAPOXY mortar. The kitchen and the laundry room are constantly subjected to water and damp, therefore prior to tiles covering, it was required to waterproof the zone with MAPELASTIC. In selected rooms, stone flooring was installed. These tiles were bonded with KERAFLEX MAXI S1 and grouted with a two-component, resistant to acids, epoxy grouting mortar, KERAPOXY. The humid areas, were naturally protected with MAPELASTIC waterproofing barrier. This product found its good use also in the zones adjacent to the



swimming pool. The barrier was equally required in saunas, steam baths and showers. The protected surfaces were covered with ceramic mosaics which had the joints filled again with KERAPOXY (a two-component epoxy mortar which can be used both as a grout and as an adhesive). The beach bordering of the swimming pool required substantial range of operation with the use of MAPEI solutions support. In this area it was necessary to execute a proper slopping layer. The mentioned layer (5-20 mm-thick) was made with the use of ADESILEX P4 which is also a fast-setting, full-contact mortar that can as well serve efficiently to level horizontal surfaces inside and outside the buildings. A waterproofing from MAPELASTIC was performed on floors with ready slopping layer, and afterwards ceramic tiles were bonded with ADESILEX P9 and grouted with KERAPOXY. MAPEI products were also an effective help to solve problems regarding the stairs' construction. Primarily, the steps dimension was adapted to fit the stone covering - the width of a single step was of 28 cm. However, the design concept was modified, therefore it was decided to finish off the steps with 33 cm-wide tiling. It was essential to adapt the tiling size to the steps. To perform this, a vertical filling in layer was made to widen the steps. A thixotropic repairing mortar MAPEGROUT 430 occurred much helpful. To connect the new steps' layer with existing support, the constructors used EPORIP - a two-component, solvent-free, epoxy adhesive for construction joints and monolithic sealing of cracks in screeds. The widen steps were bonded with ADESILEX P9 and grouted with ULTRACOLOR PLUS. All surfaces which had the ceramic coverings installed, after works' completion, were cleaned up with an acid-based KERANET cleaner which removes cement smudges from grouting procedures.

In the whole building it was necessary to pour the concrete in horizontal layers on all window sills. Again, this task was accomplished with the use of thixotropic repairing mortar MAPEGROUT 430. The height of each of the window sills was raised of 3 cm which facilitated the further installation of wooden elements.

The last stage of the works which involved MAPEI concerned floors' repair and leveling. For this purpose, NIVORAPID - a highly resistant, fast-hardening and fast-setting cementitious repair and leveling mortar was used, along with ULTRAPLAN ECO - a self-leveling, fast-setting and fast-drying cementitious leveling mortar for substrates.

MAPEI PRODUCTS: ADESILEX P4, ADESILEX P9, EPORIP, KERAFLEX MAXI S1, KERANET, KERAPOXY, MAPEBAND, MAPEGUM WPS, MAPEGROUT 430, MAPELASTIC, MAPESIL AC, NIVORAPID, PLANICRETE, PRIMER G, TOPCEM PRONTO, ULTRACOLOR PLUS, ULTRAPLAN ECO.



TECHNICAL DATA

- **Name of building intervention:** Hilton Hotel / Gdańsk / Poland
- **Type:** PRIVATE (HOTEL)
- **Designer:** Kuryłowicz & Associates Sp. z o.o.
- **Period of construction:** 2008-2010
- **Period of MAPEI intervention:** 2010
- **Intervention by MAPEI:** installation of more than 10 000 m² of ceramic tiles
- **Customer:** Hilton Polska
- **General contractor:** BUDROS Sp. z o.o.
- **MAPEI distributor:** Dago Tech Dariusz Górak
- **MAPEI Coordinator:** Piotr Dawidowicz.

MAPEI PRODUCTS	MATERIAL INSTALLED	SUBSTRATE	QUANTITY OF PRODUCT	SURFACE	INSIDE/ OUTSIDE	NEW/ RENOVATION	PRODUCT LINE
	DO NOT COMPLETE FOR BUILDING PRODUCTS						
PRIMER G			945 kg		INSIDE	NEW	PRODUCTS FOR CERAMICS & STONE
MAPEGUM WPS			4875 kg		INSIDE	NEW	WATERPROOFING
ADESILEX P9 GREY			48 425 kg		INSIDE	NEW	PRODUCTS FOR CERAMICS & STONE
ULTRACOLOR PLUS			2460 kg		INSIDE	NEW	PRODUCTS FOR CERAMICS & STONE
KERAFLEX MAXI S1			2 500 kg		INSIDE	NEW	PRODUCTS FOR CERAMICS & STONE
KERAPOXY			1 000 kg		INSIDE	NEW	PRODUCTS FOR CERAMICS & STONE
TOPCEM PRONTO			12 500 kg		INSIDE	NEW	PRODUCTS FOR CERAMICS & STONE
PLANICRETE			50 kg		INSIDE	NEW	PRODUCTS FOR CERAMICS & STONE
MAPELASTIC			864 kg		INSIDE	NEW	WATERPROOFING
KERANET			34 kg		INSIDE	NEW	PRODUCTS FOR CERAMICS & STONE
ADESILEX P4			1 250 kg		INSIDE	NEW	PRODUCTS FOR CERAMICS & STONE
EPORIP			210 kg		INSIDE	NEW	PRODUCTS FOR BUILDING
MAPEGROUT 430			10 625 kg		INSIDE	NEW	PRODUCTS FOR BUILDING
NIVORAPID			600 kg		INSIDE	NEW	PRODUCTS FOR BUILDING
MAPEBAND			500 m		INSIDE	NEW	WATERPROOFING
MAPESIL AC			493 pcs		INSIDE	NEW	PRODUCTS FOR CERAMICS & STONE
ULTRAPLAN ECO			3726 kg		OUTSIDE	NEW	PRODUCTS FOR CERAMICS & STONE

Hilton

