

# Jesuit Retreat House

CZĘSTOCHOWA - POLAND

## KEY FACTS

- 3500 m<sup>2</sup> of facade insulated with MAPETHERM® System
- First Polish reference for MAPEI silicone plasters



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Let's present the project...

The Jesuit Retreat House in Częstochowa - St. Ignatius Loyola's Spirituality Center in St. Kinga Street lays upon the Jasna Góra hillside, just a few minute way from the Sanctuary. Built between 1934 and 1939, only until 1939 kept its retreat empowerment. After taking it over by German authorities, during the period of the Second World War, it was transformed into a hospital. The structure was inhabited consecutively by exiled Polish citizens and re-transformed afterwards to a soviet hospital, before it was eventually handed over to the Garrison Hospital under the guard of the Polish Army. The Jesuits who have been exiled in 1942 were able to come back in 1945. For over 40 years, during the regime, the communists lodged homeless families in the building, as a result making the monks constitute only a small percentage of its residents. A breakthrough took place in 1988 when the St. Loyola Order fully took over the site and immediately started a four-year lasting renovation of the building which fell into deep ruin with the time that had passed. In 1991 the Retreat House re-opened and was renamed subsequently to St. Ignatius Loyola's Spirituality Center.

In the last few years, the renovation works included: parking lot enlargement, access road and Jasna Góra's highroad rebuilding, frontal's renovation and facade's insulation. It was decided to replace the roof and to renovate the bathrooms, to complete the drainage system and to install the solar panels in the garden. This four-floor modern aged structure, equipped with a new elevator includes now three conference rooms (the biggest one of them can contain 100 people), an oratory and a chapel. The single and double rooms, the canteen and a small café are designed for retreat participants. An adequate atmosphere for prayer and contemplation is efficiently obtained thanks to the huge park with an old forest stand and the garden surrounding the house. The Jesuit Retreat House in Częstochowa lead by 8 priests offers a wide range of Ignatian retreats among which: the Foundation, sacerdotal-type, eight-day or weekend sessions. The retreats enjoy a grand popularity.

...and MAPEI contribution

The renovation works, commenced in 2008 were divided into few stages. One of them included facade insulation. These thermo-modernization works were executed with the use of systems offered by MAPEI: MAPETHERM and SILANCOLOR.

First works stage determined to repair this Jesuit structure's facade with MAPEI solutions took place three years ago and involved the outbuilding (situated on the right from the chapel's entrance). The main protagonists of this process happened to be the MAPEI silicone plasters, as they were applied for the first time in Poland. The effect was satisfactory to such point that it has been decided to use these brand products to restore the facades of the other parts of the building. These works have been completed during recent months. The total area of the renovated facades amounts to 3500 m<sup>2</sup>.

The insulation with the use of 12 cm-thick polystyrene boards initiated each wall renovation process. For this purpose, MAPETHERM DO STYROPIANU was used. This product is a one-component cementitious adhesive for insulation boards, in contractor's eyes considered a high-quality product with enhanced elasticity which makes the whole insulation process a lot easier. Before this was done, however, the action demanded a correct substrate's preparation. This highly relevant element of thermo-modernization works ensures a durable new facade. The contractor company had to deal with an inconsistent substrate requiring refinement and removing the old and damaged coating. The smoothen and drained surface was thereupon primed with SILANCOLOR PRIMER - a ready-for-use silicon resin based primer in water dispersion. Afterwards, polystyrene boards bonding was possible on such prepared substrate. The following stage consisted in leveling off the insulated walls with a mortar layer in conjunction with embed glass fiber mesh. This time, the MAPETHERM DO SIATKI mortar came along with help.



The substrate was left to dry for the recommended period of 7 days. As this time went by, a finishing plastering mortar was applied. At first, the surface was covered with a colored base coat evening and filling layer under the name of SILANCOLOR BASE COAT: a silicone resin base product in water dispersion with micro-granular quartz. This undercoat constitutes a base layer before applying silicone thin-layer renders. SILANCOLOR BASE COAT evens out the absorption of the substrate and promotes the bonding process. It is also available in the renders' color range which allows to obtain an even facade tone. The micro-quartz content ensures render's easy application and promotes adherence to the substrate. Every product from the SILANCOLOR system is available in identical color range. This fact guarantees a deep, durable and spotless color. The priming was followed by a colored 1,2 mm layer thick render SILANCOLOR TONACHINO. This high-performance silicone resin-based plastering render is highly vapor-permeable and this feature makes the façade even more durable. Additionally, thanks to its self-cleaning properties, it keeps the facade layer in great condition. Furthermore, it is resistant to aggressive environment agents, industrial pollution and water.

The final stage was based on restoring and adjusting the new facade to architectonic details (window bands, cornices). This was possible thanks to custom-made polystyrene profiles. The elements surrounding the windows and cornices between floors were bonded with MAPETHERM DO STYROPIANU, primed beforehand with SILANCOLOR PRIMER in an adequate color. To dot the i's and cross the t's, the surface was covered with silicone SILANCOLOR PITTURA paint. Its water-repellent casts help to keep the substrate protected from aggressive environment agents and dirt, and also make it resistant to cleaning-caused wear and UV rays.

**MAPEI PRODUCTS:** MAPETHERM DO SIATKI\*, MAPETHERM DO STYROPIANU\*, SILANCOLOR BASE COAT, SILANCOLOR PITTURA, SILANCOLOR PRIMER, SILANCOLOR TONACHINO.

\*product manufactured and distributed locally.



## TECHNICAL DATA

- **Name of building intervention:** Jesuit Retreat House / Częstochowa / Poland
- **Type:** PRIVATE (JESUIT RETREAT HOUSE)
- **Period of construction:** 1934-1936
- **Period of MAPEI intervention:** 2008-2012
- **Intervention by MAPEI:** thermal insulation
- **Customer:** Zgromadzenie Zakonne Towarzystwa Jezusowego
- **General contractor:** POLBUD TARNÓW
- **Site manager:** Edward Piątek
- **MAPEI Coordinator:** Jerzy Siwek.

MAPEI PRODUCTS	MATERIAL INSTALLED	SUBSTRATE	QUANTITY OF PRODUCT	SURFACE	INSIDE/ OUTSIDE	NEW/ RENOVATION	PRODUCT LINE
	DO NOT COMPLETE FOR BUILDING PRODUCTS						
MAPETHERM DO SIATKI			15 050 kg	Total surface 3500 m <sup>2</sup>	OUTSIDE	RENOVATION	PRODUCTS FOR THERMAL INSULATION
MAPETHERM DO STYROPIANU			17 500 kg		OUTSIDE	RENOVATION	PRODUCTS FOR THERMAL INSULATION
SILANCOLOR PRIMER			170 kg		OUTSIDE	RENOVATION	WALL PROTECTIVE & DECORATIVE COATINGS
SILANCOLOR PRIMER PLUS			30 kg		OUTSIDE	RENOVATION	WALL PROTECTIVE & DECORATIVE COATINGS
SILANCOLOR BASE COAT			700 kg		OUTSIDE	RENOVATION	WALL PROTECTIVE & DECORATIVE COATINGS
SILANCOLOR TONACHINO			4 860 kg		OUTSIDE	RENOVATION	WALL PROTECTIVE & DECORATIVE COATINGS
SILANCOLOR PITTURA			310 kg		OUTSIDE	RENOVATION	WALL PROTECTIVE & DECORATIVE COATINGS