



# SIKA AT WORK

## ZAGREB INTERNATIONAL AIRPORT, CROATIA

WATERPROOFING: Icolflex® N, Sikaplan®

ROOFING: Sikaplan®

TILING: SikaCeram®, Sikalastic®, Sika® Primer, Sikasil®

BUILDING TRUST



# ZAGREB INTERNATIONAL AIRPORT

First airport in Croatia under Nato standards

**CONNECTING ZAGREB WITH OTHER PARTS OF CROATIA** and connecting Croatia with Europe and other parts of the world, is the most important role of Zagreb Airport. Many years of successful completing these tasks, which have strong economic and political significance, have made this airport, since its earliest operating days, an important traffic hub in this part of Europe. Even today, many people consider it the Gate of the city, because every day thousands of people pass through it to and out of the Croatian metropolis.

## PROJECT DESCRIPTION

The jury chaired by the representative of the Croatian Government – the architect Jerko Rosin, declared best the project done by the company IGH & Neidhardt architects Ltd. & Kincl Ltd. and awarded them the first prize. In the first construction phase the new passenger terminal will allow acceptance and shipping five million passengers a year, and in the second stage eight million passengers per year with a minimum level

of service C and all in compliance with the existing security protocols. In front of the new terminal a new apron and new fast output track will be built as well as service roads that will connect the existing and the new apron. For seventy percent of international aircrafts a connection with access via air bridges will be built and thirty percent of international aircrafts and domestic passengers will use the existing apron along the old terminal building.



## PROJECT REQUIREMENTS

Project requirements were bonding large format ceramic tiles (1200 × 600 mm), grouting, sealing movement floor joints in the halls, passenger terminals, offices, restrooms, storage areas and in dressing rooms.

The project further required waterproofing of the wet rooms (public restrooms)

Sika was invited to make a master (50 m<sup>2</sup>) mock-up, after which the method statement and later the building were done.

## SIKA SOLUTION

- Waterproofing of wet rooms out of which most were made with dry construction (drywalls)
- Sika offered Sikalastic®-200 W, later bonding ceramic tiles
- On the area of 30 000 m<sup>2</sup> the designer asked for large format ceramic tiles (1200 × 600 mm) + Sika® Primer-11 W
- Smaller tiles (30 cm × 30 cm), (30 cm × 60 cm) 13 000 m<sup>2</sup>
- Bonding with SikaCeram®-225, filling joints with SikaCeram® CleanGrout, sealing with Sikasil Color and Sikaflex®-PRO 3
- In public restrooms black ceramic tiles were laid with SikaCeram®-225 and grouted with SikaCeram® CleanGrout

Due to large format ceramic tiles a double application of adhesive was required and a flexibility class "S1" was obligatory. It is a high-frequency area that is burdened with constant pedestrian traffic.

Sika offered high-quality solutions for the entire system: adhesives, waterproofing system, grouting compounds and products for sealing joints.





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## Delivered Sika Solutions

Waterproofing:

Igolflex®-N, 1500 m<sup>2</sup> (Contractor: KAMGRAD)

Sikaplan® WP-1200 16 C, 2500 m<sup>2</sup> (Contractor: VIADUKT)

Roofing:

Sikaplan®-18 G (on the roof), 2800 m<sup>2</sup> (Contractor: KFK Tehnika)

Tiling 5000 m<sup>2</sup>

SikaCerem®-225, SikaCerem® CleanGrout, Sikalastic® 200W,

Sika® Primer 11 W, Sikasil® Color (Contractor: KAMGRAD)

## Ongoing – to be delivered:

Tiling 38 000 m<sup>2</sup>

SikaCerem®-225, SikaCerem® CleanGrout, Sikalastic®-200 W,

Sika® Primer-11 W, Sikasil® Color and Sikaflex®-PRO 3

(Contractor: KAMGRAD)

Until now, we delivered 40 tons of SikaCerem®-225 out of 300 tons that have been specified by the project.

## PROJECT PARTICIPANTS

Owner: The founder and sole owner of “MZZ” is a consortium ZAIC, which is in turn shareholder of the company Aéroports de Paris Management, Bouygues Bâtiment International, TAV Airports, Viadukt, fond Marguerite te IFC.

Architect: Jerko Rosin

Main Contractor: IGH & Neidhardt architects Ltd and Kincl Ltd.

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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