



SIKA AT WORK

SIKA SOLUTIONS IN SPANISH AIRPORTS

T4 MADRID BARAJAS (MAD): Joint Sealing

LA PALMA (SPC): LAM Waterproofing

MENORCA (MAH): Structural Strengthening with CFRP

SANTANDER (SDR): LAM Waterproofing

T1 BARCELONA EL PRAT (BCN): LAM Waterproofing

BUILDING TRUST



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T4 MADRID BARAJAS (MAD)

PROJECT DESCRIPTION

When Barajas Airport Terminal 4 building was opened in 2006 it effectively doubled the aircraft and passenger capacity at Spain's largest international airport. Not only was there another major terminal building (two actually as there's also a smaller satellite terminal building, T4S), but another two runways were added. Now aircrafts take off and land during the day at an average rate of one every 30 seconds. Terminal 4 ranks as one of the world's largest airport terminals, measured by building area. The airport as a whole is the 4th largest in Europe, and the 10th largest in the world.

PROJECT REQUIREMENTS

Elastic sealing solutions were needed for 50,000 linear meters of joints in the marble tiled floor in the Passenger Terminal Complex.

SIKA SOLUTION

- Sika® Primer 1
- Sikaflex®-11 FC (beige)

PROJECT PARTICIPANTS

Project: Terminal 4 (T4) Madrid Airport

Owner: AENA

Designer: Antonio Lamela & Richard Rogers

Main Contractor: UTE Dragados, NECSO, FCC

Joint Sealing: SEINPA



LA PALMA (SPC)

PROJECT DESCRIPTION

La Palma Airport processes about three million passengers per year. The new expansion of the airport has been constructed, there has been a new control tower, the runway has been renovated and a new terminal has also been built. The activities were completed in 2010.

PROJECT REQUIREMENTS

40,000 m² waterproofing of frame works on bituminous layer in access roads.

SIKA SOLUTION

- SikaRoof® Pro and polyurethane 2-component sprayed LAM system
- Sprayed membrane: Sikalastic®-821 LV
- Final layer: SikaLastic®-821

PROJECT PARTICIPANTS

Project: Expansion of La Palma Airport

Owner: AENA

Main Contractor: Dragados

Waterproofing: IMG



MENORCA (MAH)

PROJECT DESCRIPTION

Housed in a modern, two-tiered building, Menorca Airport (MAH) is a busy facility that brings in hordes of visitors from all over Europe and some international destinations. With Menorca being such a popular holiday destination, the airport is a real hotspot during the summer season. The airport went through its major refit in 2006, being finished in time for the start of the 2008 season.

PROJECT REQUIREMENTS

1,812 linear meters of structural strengthening.

SIKA SOLUTION

- CFRP system: Sika® Carbodur S812

PROJECT PARTICIPANTS

Project: Menorca Airport Refurbishment

Owner: AENA

Main Contractor: Construcciones San José

Structural Strengthening: Betazul



SANTANDER (SDR)

PROJECT DESCRIPTION

Santander Airport is situated five kilometers outside the city in the town of Maliaño, within the municipal district of Camargo, on the west side of the bay. In the last few years, reform and extension works – including a new control tower, have been carried out to provide the airport with improved infrastructures and services. Santander airport's main air traffic is made up mostly of domestic and international commercial airline flights.

PROJECT REQUIREMENTS

2,500 m² waterproofing at terraces and shaft on cementitious mortar substrates.

SIKA SOLUTION

- SikaRoof® Pro and polyurethane 2-component sprayed LAM system
- Sikafloor®-156, Sikalastic 810 and Sikalastic®-821 LV
- Sikalastic®-445: final Layer
- Sikaflex®-11 FC: crack and joint sealing

PROJECT PARTICIPANTS

Project: Control tower in Santander Airport

Owner: AENA

Main Contractor: Elecnor

Waterproofing: ATH



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T1 BARCELONA EL PRAT (BCN)

PROJECT DESCRIPTION

The date of the public opening of the new terminal T1 was on 17 June 2009. Its structure has an area of 544,066 square meters and has a parking apron for aircraft of 600,000 square metres. Of the four levels comprising the terminal T1, the level 3 corresponds to the outside of the main facade. T1 has two roadways separating the arrival and departure flows. The departures roadway is on level 3 and the arrivals roadway is on level 0. Among its facilities are distributed 168 check-in counters, 50 fingers, 15 luggage carousel, 12,000 parking spaces.

PROJECT REQUIREMENTS

9,000 m² waterproofing of frame works – before placing asphalt and concrete – in access roads to the terminal.

SIKA SOLUTION

- Sprayed LAM System: Sikafloor®-156 and Sikalastic®-821 LV
- Sikagard®-720 EpoCem: scraping and levelling mortar
- Sikaflex®: crack sealing
- Sikafloor®-261, aggregates and Sikalastic®-825: bonding agent for asphalt

PROJECT PARTICIPANTS

Project: New South Terminal (T1) Barcelona Airport

Owner: AENA

Designer: Ricardo Bofill Taller de Arquitectura

Main Contractor: UTE Diques para AENA

Waterproofing: PIRSA

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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