

RAYSTON WATERPROOFING SYSTEMS

Airport roof waterproofing and refurbishment

Barcelona, Seville, Tenerife, Lisbon Airport, Fuerteventura and Palma de Mallorca



BARCELONA AIRPORT

Place: Barcelona Airport

Surface: 18.500 m²

Type of work: Refurbishment and waterproofing of a metal roof

System: Impermax Plus

The pre-shipment zone of Barcelona Airport (T2) needed urgently a roof refurbishment, but without disturbing the flights and travels. Also, it needed to have a good adhesion on the irregular metal surface.

The best solution for this problem was the Impermax Plus system by Krypton Chemical.

The main waterproofing membrane Impermax provides a seamless coating and a quick application. Due to a thixotropic additive it covered the irregular surfaces perfectly.

It was covered with the aliphatic finish Impertrans with colour paste.



TENERIFE AIRPORT

Place: Tenerife Airport

Surface: 15.570 m²

Type of work: Roof refurbishment

System: Impermax 2K Spray System + Colodur with white colour paste



Also for Tenerife Airport the solution was Impermax 2K. It allows covering large surfaces in a minimum time.

The system was finished with the aliphatic top coat Colodur with white colour paste. The white colour produces a "Cool Roof" effect, which means that it reflects the sun light and reduces the heat sensation.



SEVILLE AIRPORT

Place: Seville Airport

Surface: 23.000 m²

Type of work: Waterproofing of old and new terminal

System: Impermax 2K Spray System + Impertrans with colour paste

The roofs of both new and old terminal of Seville airport needed a good waterproofing solution. Krypton Chemical's hot-applied polyurethane waterproofing membrane Impermax 2K was an ideal solution for the large surface. Hotspray-applied products can be applied very quickly and have an extremely short curing time.



LISBON AIRPORT

Place: Lisbon Airport

Surface: 1.314 m²

Type of work: Roof refurbishment

System: Impermax 2K Spray System + Colodur with colour paste

Infiltrations on the roof were successfully repaired with the IMPERMAX 2K hot spray applied system that has got an ETA certificate for roofing for 25 years (Number 10/0296).



FUERTEVENTURA AIRPORT

Place: Fuerteventura airport

Surface: 12.500 m²

Type of work: Roof waterproofing

System: Impermax 2K Spray System + Colodur green pigmented

The airport roof had different water entrances. Due to this it was decided to carry out an intervention. Krypton Chemical S.L. proposed the Impermax 2K system, using a special primer TP Flex primer that allowed not having to remove the existing asphalt layer.



PALMA DE MALLORCA AIRPORT

Place: Palma de Mallorca airport

Surface: 31.000 m²

Type of work: Waterproofing and refurbishment of the isolation of the boarding galleries

System: Impermax 2K Foam

A totally compact and continuous system has been applied, consisting of an insulating polyurethane foam, a high-performance polyurethane waterproofing membrane, hot applied (Impermax 2K with ETE certificate number 10/0296) and an aliphatic protective top coat, solvents free (Impertrans Eco).

