



# SIKA AT WORK

## MANCHESTER AIRPORT TERMINAL 1

ROOFING: Sika Liquid Plastics Decothane Omega 15

# MANCHESTER AIRPORT TERMINAL 1



## PROJECT REQUIREMENTS

Manchester airport is one of the world's principal airports and as such handles approximately 20 million passengers every year. Terminal 1 consists of 107 check-in desks, 24 pier served aircraft stands, 18 air bridges, restaurants and a shopping mall. When re-roofing a project of this magnitude, everything has to be carried out without interference to the smooth operation of the Airport's commerce and functionality.

There were two phases of works required at Terminal 1, the first being a series of asphalt roofs that had failed. The main problem here was the presence of a great deal of plant equipment, which meant that the only system that could successfully waterproof the area would be a liquid applied system. Furthermore the majority of roof areas are regularly trafficked by workmen, therefore once the waterproofing was complete it needed to be overlaid with paving stones to create safe walkways.

## SIKA LIQUID PLASTICS SOLUTION

A Decothane Omega 15 system from Liquid Plastics was specified and applied by a member of its Quality Assured Contractor programme - Weatherproofing Advisors. Prior to the waterproofing being applied, the existing paving stones were lifted and the underlying asphalt surfaces were power washed to ensure a clean substrate was available.

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



FM 12504



EMS 45308



OHS 585274



Similar preparation was also carried out on roof areas with loose laid insulation being re-used once the new waterproofing system had been installed. For phase two - the control tower - red Decothane was used to highlight walkway areas and a Skid Inhibiting Agent was added to aid slip resistance.

Decothane is easily applied around detail areas because of its liquid formulation and the curing process is moisture triggered so it cures quickly even in damp environments. This meant that the walkways could be rapidly returned to service to ensure minimum disruption to everyday operations. Furthermore it is completely cold applied thus eliminating the risk of fire often associated with using hot works. The completed systems are guaranteed to last for at least 15 years but as many areas are protected with pavers or insulation, these can be expected to outlive their guaranteed lives.

## PROJECT PARTICIPANTS

**Size: 10,000m<sup>2</sup>**

**Product: Sika Liquid Plastics Decothane Omega 15**

**Client: Manchester Airport Developments Ltd.**

**Contractor: Weatherproofing Advisors**

## SIKA LIMITED

Sika Liquid Plastics  
Sika House,  
Miller St,  
Preston, PR1 1EA

## Contact

Phone +44 1772 259781  
Fax +44 1772 255670  
E-Mail [liquidplastics@uk.sika.com](mailto:liquidplastics@uk.sika.com)  
[www.liquidplastics.co.uk](http://www.liquidplastics.co.uk)

