



Roof, FOAMGLAS® TAPERED

Photos © Sean Hansford

Manchester Control Tower, Manchester

Client Manchester Airport Group Plc.

Architects CPMG Architects, Nottingham

Roofing contractor Seagle Direct Ltd.

Main contractor Morgan Sindall

Construction 2012/13

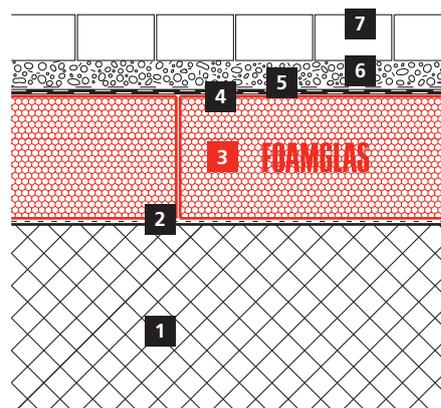
FOAMGLAS® application FOAMGLAS® TAPERED Roof System

The Manchester Airport Group Plc (M.A.G), is the country's largest UK-owned airport operator, serving around 42 million passengers every year. A new £20 million air traffic control tower at Manchester Airport officially opened in June 2013. The tower stands at 60 metres tall, making it the second largest air traffic control tower in the UK and replaces the existing control tower at the airport, which has been operational since 1962. The new tower has 360-degree panoramic views around Greater Manchester and into Cheshire, providing a much improved structure than the existing tower. It will also house some of the most modern equipment on the market, including radar processors, plasma touch displays, electronic flight progress strips (EFPS) and communications equipment.

CPMG Architects specified FOAMGLAS® T4+ TAPERED insulation system for the walkways around the top of the tower. The insulation layer had to withstand foot-traffic and access for maintenance. It also had to act as a means of escape in

the event of fire, it was important therefore that the insulation layer would not burn or give off toxic fumes.

The FOAMGLAS® Compact Roof solution provided high compressive strength of 600 kPa and fully supports the primary waterproofing layer without deformation under load. The tapered insulation scheme incorporates a central gutter detail and paving provides a tough and durable walkway for control tower staff and maintenance teams.



**FOAMGLAS® insulation –
tough and durable**

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Build-up

- 1 Concrete deck
- 2 Primer coat
- 3 FOAMGLAS® READY BLOCK TAPERED, bonded in PC® 500
- 4 Two layers of bitumen waterproofing membranes
- 5 Separation/protection layer
- 6 Chippings or gravel
- 7 Paving

