

# Gatwick Airport cuts project time with SILCOR® liquid waterproofing

Gatwick Airport construction was completed on time and within specifications. SILCOR® liquid waterproofing

Project	Gatwick North Terminal
Client	Gatwick Airport Ltd
Architect	Capita Aviation
Contractor	Morgan Sindall PLC
Waterproofing Applicator	Structural Membranes Specialists Ltd
GCP Solution	SILCOR® liquid waterproofing



## Project

### New construction expands airport capacity

This £40m extension of the North Terminal at Gatwick Airport included refurbishment of the terminal's primary passenger entrance.

The 8,300 m<sup>2</sup> airport construction extension resulted in all British Airways passengers flying from Gatwick to be processed through the North Terminal.

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### Airport expansion has stringent waterproofing specs

The main airport construction challenges were to install a waterproofing system that met all contractor program requirements for speed of installation, return to site access, and damage resistance.

Morgan Sindall PLC, the principal contractor, required a waterproofing product that could be applied quickly, trafficked immediately after application, and that would simplify detailing at terminations and penetrations.

The membrane also needed to be highly damage resistant. On the day after the membrane was installed, MEWP's and a similar site plant had to traffic the membrane, with minimal additional protection measures, prior to installation of the glazed facades.

The project also required non-standard details for waterproofing penetrations and terminations, which were critical for the airport construction.

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### Waterproofing podium decks

The upper forecourt at the airport passenger entrance was upgraded with a strengthening screed, insulated, and then re-waterproofed with SILCOR® spray applied liquid waterproofing. SILCOR® is a rapid set polyurea, two component liquid waterproofing system with exceptional physical properties. The system has a BBA Certificate and a European Technical Approval (ETA).

SILCOR® waterproofing is uniquely suited to meeting the operational needs mentioned above when waterproofing podium decks. No leaks through the refurbished podium deck were reported during the airport construction program or since project completion.

BLUE360<sup>SM</sup> Product Performance Advantage.

*Because every project, large or small, deserves the best level of protection.*

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