

# Case Study

## Frankfurt Airport

**Shell S-Grade Binders** - paves the way for the successful resurfacing of Frankfurt International Airport's two runways



**Frankfurt International Airport's North and South Runways required full renovation and resurfacing after 30 years in service. Stretching over 4km and at 60m wide each, this was a mammoth task, particularly as all construction work had to take place without any disruption whatsoever to the regular operation of the runway.**

Fraport AG, the airport owners and operators, embarked on a €38 million renovation of the North runway in 2003 and on completion, set about the resurfacing of the second runway. Handling over 200,000 aircraft movements per annum each, they could not, however, afford to close the runways. They were to remain fully operational between 06.00 to 22.30 every day for the duration of the projects.

### Technical expertise, product innovation and teamwork keep the planes flying during runway resurfacing

Critical Success Factors:	- Development of a bespoke product - Technical expertise - Project management skills
Application:	Shell S-Grade Binders and asphalt
Volume:	19,000 tonnes Shell S-Grade Binders 425,000 tonnes asphalt (per runway)
Product family:	Shell Caribit and Shell Mexphalte
Product grade:	Shell Caribit 25 SF for upper base and binder course Shell Caribit 45 SF for the SMA wearing course Shell Mexphalte 45 SF for lower base course
Client:	Fraport AG – owners and operators of Frankfurt International Airport
Contractor:	Kirchhoff Heine Straßenbau & F. Kirchhoff Straßenbau



**Shell Bitumen**

