



Slab Stabilisation for Airports



With innovative, cost-effective
resin injection technology


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Concrete slab stabilisation for airports

Quick & easy




Hamburg Airport


 Repair work with 10m executed silicate resin

 Executed within one shift

 Executed around 2021

Bremen Airport

 20 slabs with approx. 500m² silicate resin

 Executed within one shift

 Executed around 2018

Resin injection: an innovative technology

- Stabilisation and leveling of heavily used concrete slabs
- Quick and efficient solution for repair and maintenance projects
- Extends the lifespan of the structure by approx. 30 years
- Lower maintenance than standard brittle cement-based solutions

Features of the silicate resin

- 1.4 times the density of water – forces excess water out from under the slab
- Cures to 90% full strength within 15 minutes
- Full compressive strength of c.50n/mm² achieved within the hour
- High strength and yet sufficient elasticity to absorb vibration and be crack-resistant under load

Start your project with Metrail today

Tel. 01825 761360
Mail info@metrail.co.uk

Lonsdale Gate, Lonsdale Gardens
Tunbridge Wells
East Sussex, TN1 1NU

www.metrail.co.uk



Technology partners

