



Interior insulation, floors

Photo: Wikimedia, Sunil060902

Blackfriars Station, London

Architects Jacobs

Construction 2008 redevelopment

Main contractor Balfour Beatty

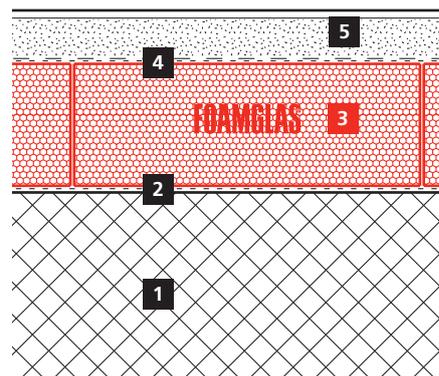
Flooring contractor DMC Contracts

Application Flooring, FOAMGLAS® T4+ slab

Blackfriars station first opened in 1886 by the London Chatham and Dover Railway. It was designed by John Wolfe-Barry and Henry Marc Brunel. In 2008 an extensive £350m redevelopment project by Jacobs Architects began. The original station on the Thames north bank station was remodelled, the platform extended across the river and a new station entrance built on the south bank. The new Blackfriars station bridge provides direct access to London's Bankside and South Bank tourist areas such as the Globe Theatre and Tate Modern.

Jacobs Architects specified FOAMGLAS® cellular glass insulation which is manufactured from minimum 60% recycled glass. This unique closed cell material is vapour tight, it can withstand tremendous compressive forces and it is totally non-combustible. These unique features make FOAMGLAS® an extremely reliable and safe insulation material for projects where long term reliability and fire safety are of paramount importance. Flooring: FOAMGLAS® T4+ slab insulation is used extensively to insulate floors

and stairs in the North Station. Taking full advantage of its low co-efficient of expansion, and its tremendous compressive strength, the FOAMGLAS® was cold adhesive bonded to the concrete, and a separating layer applied prior to pouring the floor screed. Its unique cellular structure means the FOAMGLAS® does not move or deflect under load, therefore there is no danger of the floor screed cracking under the weight of the 44,000 passengers whom travel through the station each day.



FOAMGLAS®
high compressive
strength insulation –
best choice for public
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Floor build-up

- 1 Concrete slab
- 2 Primer coat
- 3 FOAMGLAS® slabs, cold adhesive bonded
- 4 Separation layer
- 5 Floor screed poured and floor finish

