DOCKLANDS LIGHT RAILWAY STATION

Due to their size and scale (16x5m), two extending trombone trucks were needed to transport the sections to the site in Langdon Park from the Isle of Wight – the home of both Gurit (UK) and AM Structures.

The Award-winning Docklands Light Railway station in Langdon Park, London consists of two main platforms that are accessed using a curved steel footbridge which is covered by a large fibre reinforced composite canopy that is suspended from the flanking lift towers.

Gurit (UK) was commissioned by AM Structures on the Isle of Wight to structurally engineer two halves of the bridge canopy with the brief that the structure and joint detail of the two pieces should be as simple as possible to allow them to fit together easily under site conditions.

Two 16m long half canopies were constructed by AM Structures using Gurit’s Ampreg 20 epoxy resin reinforced with biaxial woven glass fabrics and carbon fibre.

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