

*Bradkirk Bridge  
Blackpool, UK, 2010*

**The new composite Bradkirk Bridge, featuring materials and technology supplied by Gurit UK, was installed in an impressive 6 hours in Blackpool, Lancashire during May 2010. The bridge replaced an existing metallic bridge that was life expired.**

The bridge was manufactured by AM Structures Ltd for Network Rail and engineered by WYG and comprises of two 12m spans and two flights of steps.

Each span features a fully moulded composite monocoque structure and was manufactured using Gurit's patented SPRINT® technology which provides an autoclave quality laminate without the expense of using an autoclave.

Gurit's Spabond 340LV and Ampreg 22 were also used for bonding, resulting in a virtually steel free construction with each span weighing only 1.6 tonnes.



A steel span designed to the current regulations would be likely to weigh around 16 tonnes.

The new Network Rail structure, with a total scheme cost of £665,000, was installed by Birse Rail during a routine line closure overnight on 17 May 2009

and was completed within 6 hours. The bridge is expected to last in excess of 60 years and be virtually maintenance free with the exception of routine inspections and replacement of non-slip finishes and stair noses.

