

Project Profile - Civil Engineering & Infrastructure



PROJECT

Greenfield Lane Bridge, Chester

SUMMARY

Waterproofing and anti-corrosion protection to cast iron and concrete bridge soffits

PRODUCTS

Cemprotec E942

CLIENT

Cheshire County Council

CONTRACTOR

Clan Contracting
MC—Harry Fairclough

BACKGROUND ▶

Between 2007-08, Cheshire County Council invested £180 million in its transport network, which included provisions for the improvement and addition to its network of cycle paths. Greenfield Lane Bridge in Hoole near Chester, runs over a disused railway line, which forms part of the Millennium Greenway Cycle Path.

The structure consists of brick jack arches supporting cast iron beams infilled with concrete panels. A protective coating was required that could be applied to both concrete and cast iron to provide long-term protection from chloride induced corrosion.

THE SOLUTION ▶

Cheshire CC chose Cemprotec E942 following a long and successful history of use to both concrete and steel on its bridge structures. Following preparation of the substrate using wet grit blasting, specialist sub-contractor Clan Contracting brush applied a 1mm stripe coat to bolt heads and edges. They then used a Graco Xtreme X60 airless spray pump to apply 2 x 1mm coats to both the cast iron and the concrete panels overhead. E942 White was used to provide better light reflectance.



FM 41091
EMS 597350
OHS 597351

Quality
Environmental
Health & Safety

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