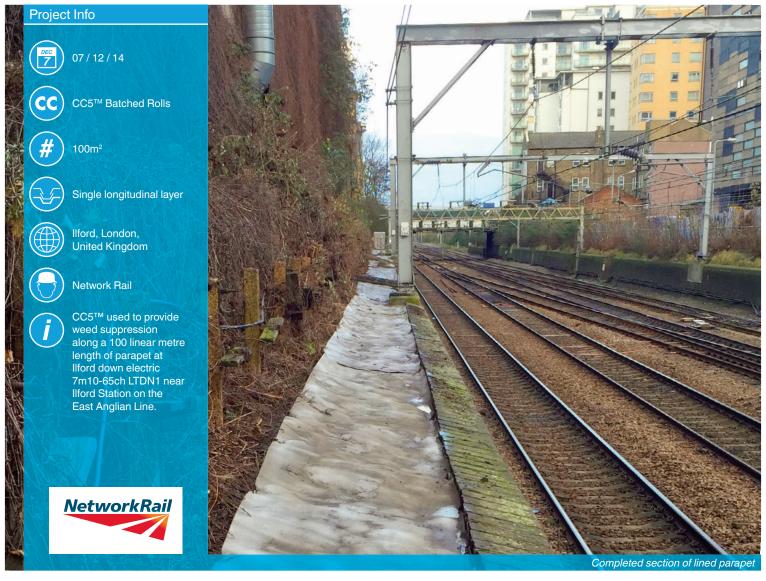


WEED SUPPRESSION



In December, 2014, Concrete Canvas was specified on a trial installation to provide weed suppression along a 100 linear metre length of a 2.7m high signalling Station. Commissioned by Network Rail, the installation was completed by Railscape Ltd, during a Sunday line possession scheduled for separate works.

Access was only possible via steep stairwells. The Canvas was supplied in man portable batched rolls and delivered to the deployment area via rail mounted trolley, along with water supplies, spraying equipment and the ancillaries required for fixing.

The area to be suppressed was first cleared of vegetation and loosely raked fl at. Brickwork debris and refuge was removed. Batch rolls of CC were then lifted onto the parapet and unrolled their full length, parallel to the track and butted up against the track side brickwork. Where required, the CC layers Stanley knives to accommodate stanchions and pipework. Adjacent layers of CC were overlapped providing a continuous run of material across the parapet sections. Once positioned, the CC material fi substrate using 250mm steel ground pegs to secure its position at approximately 2m intervals and through overlaps. The fi nal stage, was hydration of the CC via 35L backpack sprayers.

*Geosynthetic Cementitious Composite Mat

















































Concrete Canvas (CC) provides durable weed suppression and has been tested successfully against DD CEN/TS 14416:2005 (Determination of the Resistance to Roots). It has a minimum design life of 50 years within a UK climate and once set, will provide a long lasting, fi bre reinforced and water proof concrete layer to effectively suppress weed and vegetation growth. This mitigates the requirement for any future and costly vegetation cutting along critical trackside infrastructure where access is severely limited.



