

UltraScape Helps to Deliver New Gateway to Wales' Capital



UltraScape's BS 7533 compliant mortar paving system is playing a major role in helping to transform Cardiff's Central Square.

CONTRACTOR: HORAN CONSTRUCTION

MATERIALS USED: BS 7533 SYSTEM

The £400 million regeneration of one million sq ft of new office, residential and leisure space around Cardiff Central Railway Station in the centre of the city is well underway, and will create 10,000 new jobs.

At the heart of the development is the new 150,000 sq ft BBC Wales headquarters which will be a huge investment boost for the city. Civil Engineers, Horan Construction, have completed work outside one of the office buildings using UltraScape's BS 7533 compliant Pro-Bed HS fine bedding concrete, Flowpoint rapid setting grout and Pro-Prime slurry primer. This included the installation of Chinese granite setts and the construction of steps leading up to the front entrance.

UltraScape's BS 7533 compliant Flowpoint rapid set grout is simple to use, requiring only the addition of water on site, it is poured over the area and washed clean, filling all joints evenly, without staining. This slurry method provides an easy method of grouting large areas, quickly. The material is particularly suitable for use on irregular joints and can accommodate widths between 5mm and 50mm and depths of up to 200mm in a single pass. It is fast and efficient to apply and can be opened to pedestrians in just 1 hour and vehicular traffic after only 4 hours, minimising disruption.



UltraScape Pro-Bed HS provided a perfect bound base for the setts. It can be laid up to 75mm in one pass, with greater depths achievable using successive layers. The fast strength gain of Pro-Bed HS allows pedestrian areas to be trafficked in as little as 12 hours. UltraScape Pro-Prime was applied between the paving elements and bedding mortar. The addition of a slurry primer is essential to yield a bond strength compliant with BS 7533 and helps prevent costly failures.

Projects incorporating BS 7533 compliant materials benefit from a reduction in failures and considerable whole life cost savings. The materials have been independently and rigorously tested by UKAS accredited laboratories to assess their performance capabilities.



This method removes the uncertainty of site batched mortars and offers a minimum construction life of 40 years.

Later phases of the project will include more commercial space and residential buildings as well as a new £11m integrated transport hub to replace Cardiff's existing bus station. The redevelopment will transform the square into one of the most modern business developments in the UK.

Get it right first time and make UltraScape's BS 7533 Mortar Paving system your only choice.

A RIBA accredited CPD, 'Paving the Way' is available from UltraScape, to book please email cpd@instarmac.co.uk

