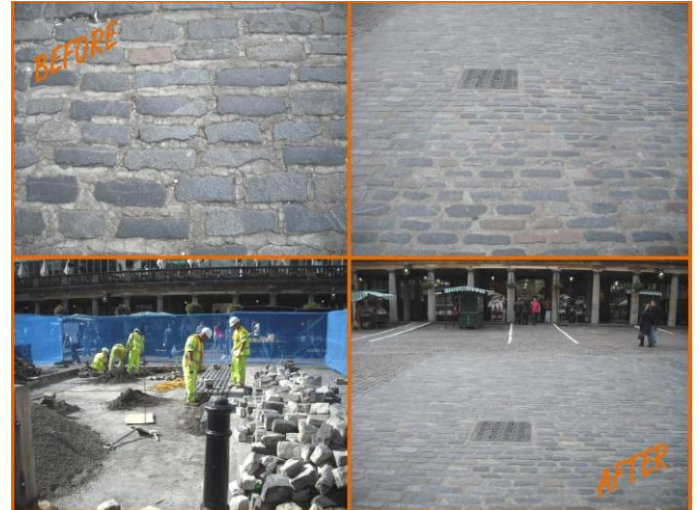


## Success Stories

### Ultrascape's Mortar Paving System: A magnificent performance in Covent Garden

<b>Contractor:</b>	<b>Westminster TranServ</b>
<b>Site:</b>	<b>Covent Garden, London</b>
<b>Project:</b>	<b>Maintenance Repairs</b>
<b>Materials Used:</b>	<b>Ultrascape Pro-Bed HS Ultrascape Pro-Prime Ultrascape Flowpoint</b>



**In the heart of London, Covent Garden is one of the city's best known tourist attractions, drawing thousands of visitors from all over the world each year.**

Once a lively marketplace, Covent Garden has now become an essential tourist destination with a vast array of gift shops, boutiques and restaurants and housing its infamous street entertainers.

Unfortunately much of the paving around Covent Garden Square was in a state of disrepair and required urgent attention; to not only make it safe but to restore its traditional charm.

Ultrascape's mortar paving products were specified for the essential remedial works around Covent Garden's paved areas. **Pro-Bed HS** Fine Bedding Concrete, **Pro-Prime** Slurry Primer and **Flowpoint** Rapid Setting Flowable Grout were put through a extensive trial and approval process by English Heritage and Westminster City Council to ensure they fulfilled requirements of and had full compliance to British Standard BS7533.

VGC Construction, part of the VGC Group were project's sub-contractors, working in conjunction with Westminster TranServ, were on-board to complete remedial works to around 500m<sup>2</sup> of existing granite setts to the surrounding paved areas. Their project was two-fold; 1) Take up and re-lay the worst affected areas of paving and re-grout the areas which were badly eroded or where rain water was not draining. 2) Clean out existing grout and re-grout with Ultrascape Flowpoint.

These works needed to be undertaken with minimal disruption to the public and local businesses, resulting in small sections of the street being closed off at a time and the work more quickly completed.

For the Covent Garden's worst affected areas Ultrascap **Pro-Bed HS** fine bedding concrete was used to re-lay the granite sets previously taken up, as it is specifically formulated to meet and exceed the strict demands of BS7533, as with all Ultrascap materials. Ultrascap **Pro-Prime** slurry primer was then used in conjunction with Ultrascap **Pro-Bed HS** to provide a more durable bond between the stones' surface and the bedding mortar, promoting an adhesion of greater than 2N/mm<sup>2</sup>. The use of the two products together ensured the Council had a robust and reliable system that would withstand the everyday heavy foot traffic the paving is under.

Ultrascap **Flowpoint** was then used to grout the re-laid area of paving, as well as for the re-grouting of paving that was not replaced. **Flowpoint** is a rapid setting flowable grout that is formulated to meet the strict demands of BS7533 for rigid construction where a fluid consistency and early trafficking are essential. With the simple addition of water on site, Flowpoint can be applied using a pouring vessel with spout for small sections, or for larger sections, slurried over the area and worked into the joints with a squeegee. Flowpoint is able to reach a bond strength of >1.5N/mm<sup>2</sup> and compressive strength of 49.6N/mm<sup>2</sup> - exceeding the requirements of BS7533.

Ultrascap Flowpoint will also fill joint widths from 5mm–50mm and joint depths of up to 200mm in one pour, filling the full depth of the joint void free. This was ideal for the contractors as Flowpoint provides a rigid void-free joint and a continuous level surface.

With only small sections of paving being completed at any one time the contractors had to think smart with the amount of material and tools they could have on site. They found the contractor-friendly sized packaging (25kg bags) of Ultrascap products easy to store and use, meaning the workforce could complete the project on time with minimal disruption.

By using Ultrascap Products VGC Construction were able to complete the first series of planned maintenance regimes on time and within budget.

For further information on Ultrascap's Mortar Paving System contact the Instarmac® Group plc, Birch Coppice Business Park, Dordon Tamworth, B78 1SE, United Kingdom. Tel: +44 (0)1827 871871. Fax: +44 (0)1827 874466. Email: [enquiries@instarmac.co.uk](mailto:enquiries@instarmac.co.uk) Website: [www.ultrascap.co.uk](http://www.ultrascap.co.uk) Or for further information on VGC Construction Limited call: +44 (0) 1895 671 800 or email: [enquiries@vgcgroup.co.uk](mailto:enquiries@vgcgroup.co.uk)