

# Full System Bedding, Priming and Jointing Specification

## Bedding Option A / pro-bed HS

Paving to be bedded on **UltraScape pro-bed HS Fine Bedding Concrete** supplied in 28 tonne silo or 1 tonne bulk bag to be applied to the primed substrate at a depth of 10mm - 75mm. Workability of 50 minutes\*, to reach a compressive strength of 20N/mm<sup>2</sup> in 1 day, 36N/mm<sup>2</sup> in 7 days and have a 28 day compressive strength of 38N/mm<sup>2</sup> with a final bond strength Of 2.18N/mm<sup>2</sup>. Open to pedestrian traffic in 12 hours and vehicle traffic in 24 hours. All in full compliance of BS 7533.

## Bedding Option B / eco-bed

Paving to be bedded on **UltraScape eco-bed** bedding mortar containing a minimum of 20% recycled glass, supplied in 25kg bag to be applied to the primed substrate at a depth of 10mm – 100mm in single pass. Workability of 50 minutes\*, to reach a compressive strength of 20N/mm<sup>2</sup> in 1 day, 36N/mm<sup>2</sup> in 7 days and have a 28 day compressive strength of 38N/mm<sup>2</sup> with a final bond strength Of 2.18N/mm<sup>2</sup>. Open to pedestrian traffic in 12 hours and vehicle traffic in 24 hours. All in full compliance of BS 7533.

## Bedding Option C / perma-bed

Paving to be bedded on **UltraScape perma-bed** single part pre-blended permeable bedding mortar. Supplied in 25kg bags and to be applied to the primed substrate at a depth of 10mm - 100mm in a single pass. Open to pedestrian traffic in 12 hours and vehicle traffic in 24 hours and to reach a compressive strength in excess of 35N/mm<sup>2</sup> after 28 days. To have a vertical permeability rate of (Kv):  $2.1 \times 10^{-3}$  m/s. All in full compliance of BS7533.

## Sub base and Paving Priming

Priming of substrate and underside of paving to be carried out using the **UltraScape pro-prime** specially formulated polymer modified slurry primer, supplied in a 20kg bag. Workability to be 60 minutes\* and have a 28 day bond strength of 2.20N/mm<sup>2</sup> at 28 days. All in full compliance of BS 7533.

## Flowable Joint Compound

Joints to be filled using **UltraScape flowpoint / eco / smooth rapid set grout** supplied in 25kg bags. To have a workability time of 5 – 10 minutes and set time of 30 minutes\* applied at 5mm-50mm joint width (3mm-50mm for Smooth) and to joint depth 20mm-200mm. To reach a compressive strength of 10N/mm<sup>2</sup> at 2 hours, 14N/mm<sup>2</sup> at 24 hours and have a 28 day compressive strength of 49.6N/mm<sup>2</sup>, flexural strength of 7.1N/mm<sup>2</sup>, tensile strength of 3.91N/mm<sup>2</sup> and bond strength of 1.5N/mm<sup>2</sup>. All in full compliance of BS 7533.

## Gun Applied Pointing

Pointing to vertical paving to be carried out using UltraScape **cempoint** gun applied injection pointing mortar to joint widths 5mm-25mm and joint depths of 25mm-100mm. To have a pot life of 45 minutes, initial set time of 3 hours and a final set time of 6 hours. To achieve a final compressive strength of 49.6N/mm<sup>2</sup> and a bond strength of 1.5N/mm<sup>2</sup>\*. All in full compliance of BS 7533.

## Bedding For Recessed Covers

Paving, setts and blocks to be bedded into recessed ironwork covers using **UltraScape resi-bed resinous rortar**. Supplied in 10kg or 22kg tubs complete with primer and mortar mixes. To have 30 minutes workability, 30 minutes set time and 1 hour initial hardness. To achieve a bond strength of 45N/mm<sup>2</sup>.

### Note:

\*Times can be dependent on temperatures. Very low temperatures can increase set times and very high temperatures can decrease set times.