



# New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

[www.newguardcoatings.com](http://www.newguardcoatings.com)

NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

## Pro-Bed HS Fine Bedding Concrete BULK

### Applications

UltraScape Pro-Bed HS fine bedding concrete is specifically formulated to meet and exceed the strict demands of BS 7533. The product provides a perfect bound base for natural stone paving and cobbles, concrete paving, flags and block paving, which once laid with UltraScape Pro-Bed HS ECO are able to accept foot traffic after just 12 hours and vehicular traffic after 24 hours. The material is also not subject to environmental erosion, which can lead to increased point loads on slabs and consequent breakage.

### Technical

UltraScape Pro-Bed HS is formulated from selected cements and graded fillers. The pre-blended fine bedding concrete is supplied in 25kg bags or alternatively, for those large projects, in 30 tonne bulk silos. The product can be laid from 10mm to 75mm in one pass with greater depths achievable using successive layers. The material mixes easily on-site with the addition of water and provides a compressive strength of 38N/mm<sup>2</sup> after 28 days complying fully with BS 7533. This material should not be used in temperatures below 5°C.

### Preparation

It is of vital importance that the supporting layer that is to receive UltraScape Pro-Bed HS is stable and not liable to settlement or heave. Supporting structures must be cleaned, pre-soaked and all ponded water must be removed prior to application. To promote bond, the supporting layer can be primed using UltraScape Pro-Prime slurry primer. Please note that this product is suitable only for bound/rigid construction, not for unbound/flexible applications.

### Mixing

Add between 2.4 and 2.8 litres of clean water to a suitable mixing vessel. Slowly add the contents of one 25kg bag. Mix mechanically for a minimum of 3 minutes and a maximum of 5 minutes. Do not add extra water or part mix bags.

### Priming

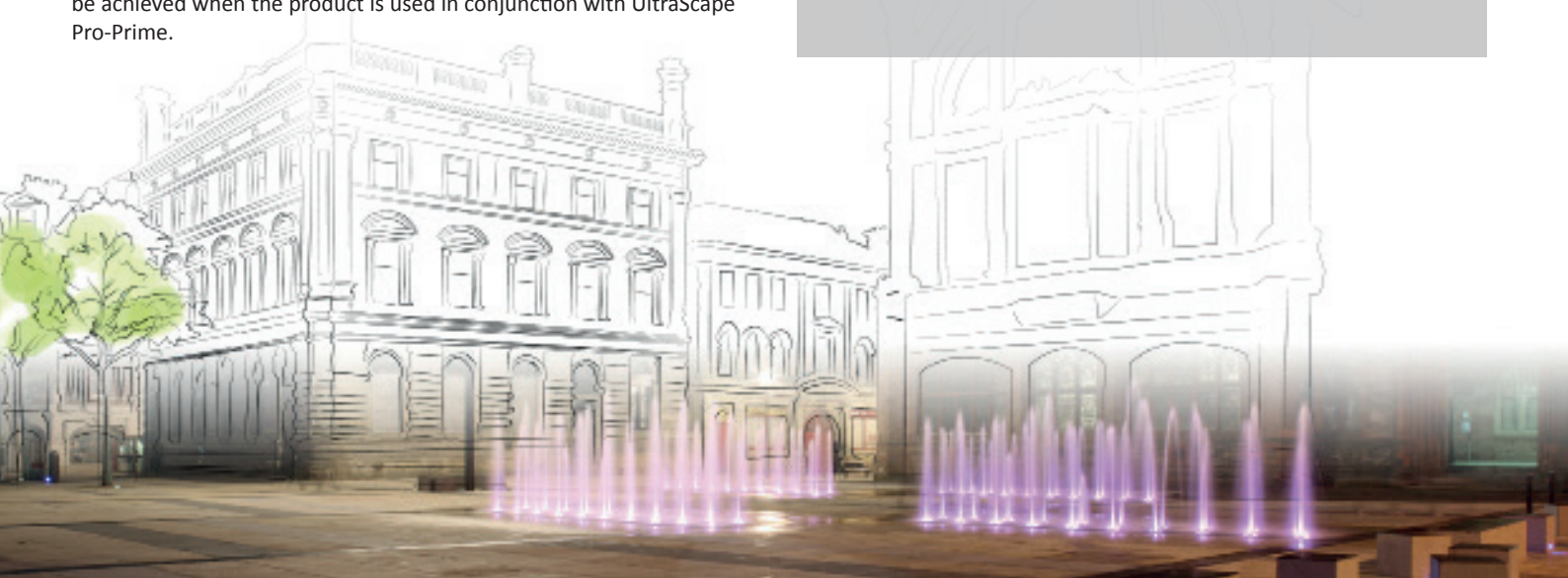
To increase overall product performance, prime the supporting layer with UltraScape Pro-Prime before applying UltraScape Pro-Bed HS. Priming the roadbase is not a requirement of the British Standard for pavements constructed on a bound base. It is of vital importance that the underside of all paving elements are primed in accordance with BS 7533. For full details consult the manufacturer or refer to the UltraScape Pro-Prime datasheet.

**Note:** The bonding characteristics of UltraScape Pro-Bed HS will only be achieved when the product is used in conjunction with UltraScape Pro-Prime.



### Features & Benefits

- Can be laid from 10-75mm in one pass
- Shrinkage compensated
- BS 7533 compliant
- Small contractor friendly units
- Bulk Silos for larger projects
- Pre-blended - just add water
- Open to pedestrian traffic in 12 hours
- Open to vehicular traffic in 24 hours
- Long-term durability



## Provision of Joints

Consideration must be given to movement joints within a bound or rigid construction. Always consult the Project Engineer/Architect for details regarding movement joints.

## Health, Safety and Environmental

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash hands before consuming food and make sure that materials are kept safely out of reach of children and animals. Please dispose of packaging and waste responsibly and in accordance with local authority requirements. A full material safety data sheet relating to this product is available from instarmac.co.uk

## Quality Assurance

All products are manufactured in a plant whose quality management system is certified / registered as being in conformity with BS EN ISO 9001, ISO 14001 and OHSAS 18001. Our products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept responsibility arising from the application or use of our products because we have no direct or continuous control over where and how projects are used. All products are sold subject to our conditions of sales, copies of which may be obtained upon request.

Product Details	
Unit/Packaging	30 tonne bulk silo
Coverage	17.8m <sup>2</sup> per tonne at 30mm bed depth Please visit <a href="http://ultrascape.co.uk">ultrascape.co.uk</a> for a free online product calculator.
Density	2088kg/m <sup>3</sup>
Colour	Grey*

\*\*As with all raw materials, colour variation may occur. Please note that this does not affect the consistency or characteristics of the enclosed product.

## Physical Properties (UKAS Accredited)

Test Age	Compressive Strength*	Flexural Strength	Adhesion* (without primer)	Adhesion* (with primer)	Shrinkage %
1 day	20N/mm <sup>2</sup>	-	0.72N/mm <sup>2</sup>	1.73N/mm <sup>2</sup>	0.01%
7 days	36N/mm <sup>2</sup>	6.5N/mm <sup>2</sup>	0.96N/mm <sup>2</sup>	2.02N/mm <sup>2</sup>	0.04%
28 days	38N/mm <sup>2</sup>	7.5N/mm <sup>2</sup>	1.25N/mm <sup>2</sup>	2.18N/mm <sup>2</sup>	0.09%
Modulus of elasticity	28 days		<21500 N/mm <sup>2</sup>		
Workability	50 minutes @ 20°C				

\*Depending on temperatures - test carried out at 20°C. Cool temperatures retard, warm temperatures accelerate product performance. As with all raw materials, colour variation may occur. Please note that this does not affect the consistency or characteristics of the enclosed product.

## Contact Us

Instarmac Group plc, Birch Coppice Business Park, Danny Morson Way, Dordon, Tamworth, Staffordshire, B78 1SE, United Kingdom  
Tel: +44 (0) 1827 254400 • Fax: +44 (0) 1827 285386 • Email: [email@instarmac.co.uk](mailto:email@instarmac.co.uk) • Order: [orders@instarmac.co.uk](mailto:orders@instarmac.co.uk)  
• Website: [instarmac.co.uk](http://instarmac.co.uk)