

pro-bed HS bulk

fine bedding concrete

FEATURES & BENEFITS



Can be laid from 10-75mm in one pass



BS 7533 compliant



Just add water



Open to vehicular traffic: 24 hours



Open to pedestrian traffic: 12 hours



Ideal for large scale projects

INFORMATION

Our 28 tonne silos for larger sites, offer the ability to mix the product on-site at the touch of a button. Ideal for sites with limited storage, a bulk mortar silo can accommodate over 28 tonnes in a single load - all in a footprint of less than 3m x 3m.

Also available, pro-bed HS in a 1 tonne bulk bag. Ideal where site delivery is restricted to rigid vehicles.

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, 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 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/mm² 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 should be primed using UltraScape pro-prime slurry primer.

PLACING

The supporting layer should be coated with primer to a thickness of 1mm-2mm immediately before the application of UltraScape pro-bed HS bedding mortar. The slurry should be fresh and wet when the fine bedding concrete is laid.

The backs of all paving elements should be primed to a thickness of 1mm-2mm immediately prior to their placement upon UltraScape pro-bed HS bedding mortar. The slurry should be fresh and wet when the units are placed on the bedding concrete.

MIX CONSISTENCY

UltraScape Pro-Bed HS requires sufficient water to enable the operative to easily form a ball when material is lightly squeezed in the hand. This ball must then hold its shape

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when pressure is released. Throw the ball 3 feet in the air and catch. Should the ball remain intact then the mix consistency is correct. Note: UltraScape Pro-Bed HS will not perform to the manufacturers' specification if the mix consistency is dry. Professional advice regarding mix consistency is available by contacting our sales team on 01827 254400.

STORAGE (1 tonne bag)

This product must be stored clear of the ground in cool dry conditions and protected from excessive drafts, under cover. If stored correctly and used within 8 months of the date of manufacture, the activity of the reducing agent will be maintained and this product will contain, when mixed with water, no more than 0.0002% (2 ppm) soluble Chromium (VI) of the total dry weight of the cement.

PRODUCT AND TECHNICAL DATA

Unit/packaging	28 tonne bulk silo / 1 tonne bag
Storage	Store in a cool, dry and frost free area at temperatures between 5°C and 30°C
Coverage*	17.8m ² per tonne at 30mm bed depth Please visit ultrascape.co.uk for a free online product calculator.
Yield	14,963.20 litres / 534.40 litres
Colour	Grey

*The above coverage is provided as a guide only and reflects typical paving applications without any wastage. It should not be used as an exact material requirement calculation.
**As with all raw materials, colour variation may occur. Please note that this does not affect the consistency or characteristics of the product.

PHYSICAL PROPERTIES (UKAS ACCREDITED)

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

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 ISO 45001 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 products are used. All products are sold subject to our conditions of sales, copies of which may be obtained upon request.

CONTACT US

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