

# STREETSCAPE FBC



Larsen Streetscape FBC is a fine bedding concrete specifically designed to meet the recommended performance characteristics of BS7533 parts 4, 7 & 12. It is manufactured from a controlled blend of specially selected aggregates, cements, fibres and additives and only requires the addition of water to produce a high quality bedding layer for rigid construction methods. Streetscape FBC is ideal for the installation of natural stone setts and cobbles, flags, concrete and clay pavers.



**>40MPa COMPRESSIVE STRENGTH**  
**10 – 75mm BED DEPTH IN ONE PASS**  
**LOW SHRINKAGE**  
**FROST RESISTANT**  
**VEHICLE TRAFFIC AFTER 24 HOURS**  
**AVAILABLE IN BAG OR SITE SILO**  
**BS 7533 COMPLIANT**

**TECHNICAL INFORMATION:**

PRODUCT INFORMATION	
<b>FORM:</b>	Granular
<b>STANDARD COLOUR(S):</b>	Grey
<b>MAXIMUM AGGREGATE SIZE:</b>	6mm
<b>HAZARD INFORMATION:</b>	IRRITANT – Consult Safety Datasheet before use
<b>CLEANING:</b>	Clean tools, equipment, etc. using warm water. Mechanical means are necessary when the product has set.
<b>PACKAGING:</b>	25kg multi-wall paper sacks or Bulk Site Silo
<b>STORAGE CONDITIONS:</b>	Store in sealed containers in dry conditions, protected from extremes of temperature
<b>SHELF LIFE:</b>	6 months in unopened manufacturer's packaging
APPLICATION INFORMATION	
<b>WATER DEMAND:</b>	2 – 2.5 L per 25kg bag
<b>APPLICATION TEMPERATURE:</b>	+3°C to +30°C
<b>WORKING TIME:</b>	Approx. 60 minutes
<b>TIME TO TRAFFIC:</b>	Light Foot Traffic - after 12 hours Vehicle Traffic - after 1-2 days (depending on site conditions)
<b>BED THICKNESS:</b>	10 - 75mm per pass
<b>COVERAGE:</b>	Approximately 2000kg/m <sup>3</sup>  (1m <sup>3</sup> is approximately 2150kg (mixed) or 1950kg (dry powder) 25kg bag = 27.5kg (mixed) = approximately 0.013m <sup>3</sup> )

**TECHNICAL INFORMATION (continued):**

<b>PERFORMANCE INFORMATION*</b>	
<b>SHRINKAGE:</b>	0 %
<b>COMPRESSIVE STRENGTH:</b>	54.6MPa
<b>FLEXURAL STRENGTH:</b>	9.9MPa
<b>MODULUS OF ELASTICITY:</b>	16009MPa
<b>BOND STRENGTH:</b>	2.1MPa (with Streetscape PS)

\* Independent Third Party Test Results – reports available on request.

## DIRECTIONS FOR USE:

### PREPARATION

The substrate (including sub-base and road base) should meet the requirements of the relevant part of BS7533 dependent on the type and level of traffic. All substrates must be suitable to receive the bedding as per current good working practices. All substrates for bonded constructions should be clean and thoroughly sound and free from oils, grease, dust, loose particles or any other contaminants which may interfere with adhesion. They should be pre-soaked but free from standing water.

### PRIMING

To improve bond it is recommended to apply Larsen Streetscape PS to the base immediately prior to laying the Streetscape FBC bedding layer. (This is not a requirement of the British Standard). All paving units must be primed with Streetscape PS immediately prior to placing on the Streetscape FBC bedding layer. Consult Larsen Streetscape PS datasheet for further information.

### MIXING

Add 8 - 10% water, i.e. 2.0 - 2.5L of water per 25kg bag to achieve the desired workability. Mix with a suitable mechanical mixer for a minimum of 3 minutes.

**Please note Streetscape FBC is designed to be used 'semi dry'/moist consistency at the above water ratios. Should more water be added to achieve a more pliable workability, the hardened properties of the product will be reduced.** Do not try to remix or wet-up FBC which has 'gone off'. Workability should be checked regularly using the 'snowball' test.

### APPLICATION

Streetscape FBC can be applied in a bed of 10 -75mm in a single pass. Greater thicknesses can be applied but should be laid wet on wet with each layer being sufficiently compacted prior to laying another pass. When applying another layer to a layer which has set, it should first be primed with Streetscape PS. Freshly laid areas should be protected from foot traffic for a minimum of 12 hours and from vehicle traffic for a minimum of 24 hours dependent on temperature and site conditions.

### RESTRICTIONS

Streetscape FBC should not be used in unbound or flexible constructions. Streetscape FBC should only be used in bound/rigid constructions. In adverse weather conditions, paving should not be laid or jointed if the temperature is below 3°C on a falling temperature or below 1°C on a rising thermometer. The surface of the substrate should not be frozen before bedding and fresh bedding should be protected from inclement weather or freezing until sufficient strength is achieved for damage not to occur. Movement joints may be required in rigid/bound constructions and should be laid out in the design stage.