

# Davco



## Product Data Sheet

# Streetscape Fine Bedding Concrete



A pre-blended, cementitious bedding mortar with added polymers and plasticising agents.



## FEATURES & BENEFITS

- Ideal for paving units for vehicle and pedestrian traffic
- Resistant to oil and other chemical contaminants
- Suitable for natural stone slabs, paving units and setts
- Grey powder

## PACKAGING

Available in a 20kg bag

## WHERE TO USE

### Surfaces

Broom finish concrete substrates

### Tiles

Natural stone slabs, paving units and setts

### Areas

Suitable for external applications where high performance is required such as roads, driveways and pedestrian footpaths

## PRODUCT INFORMATION

### Tensile Strength

2.5N/mm<sup>2</sup>

### Compressive Strength

3 days at 20 MPa, 7 days at 30 MPa, 28 days at 40 MPa,

### Working Time

45 minutes once mixed (dependant upon temperature)



MADE IN AUSTRALIA



## DIRECTIONS FOR USE

- A test should be undertaken in all cases to ensure suitability

## SURFACE PREPARATION

- Contact surfaces must be sound, clean and provide a good mechanical key. Remove any loose material, laitance, plaster, paint and oily deposits

## PRIMER PREPARATION

- Prepare a priming scrub coat of Davco Streetscape Bond Plus Primer. Prime the prepared substrate and the underside of the paving units with the priming scrub coat using a brush
- Apply the Davco Streetscape Fine Bedding Concrete before the priming coat has dried

## MIX PREPARATION

### Mix Ratio

SITUATION / REQUIREMENT	MIX REQUIREMENTS PER 20KG
General applications	1.6 - 1.8L of clean, potable water

- Mixing a 20kg bag of Streetscape Fine Bedding Concrete requires a forced action mixer, such as a Creteangle
- Working time once mixed is approximate 45 minutes (dependent upon temperature)

### Mix Process

1. Pour the required quantity of water into the mixing vessel.
2. Slowly add the Streetscape Fine Bedding Concrete powder to the water while mixing continually until a uniformed consistency is achieved, free of lumps of powder.

## APPLICATION

1. Apply the mixed Streetscape Fine Bedding Concrete to the primed substrate before the priming coat has dried.
2. Compact the Streetscape Fine Bedding Concrete to ensure good contact with the underlying primed surface. Paving units surfaces should be free of dust and contamination. It is advisable to dip setts / cubes in water to clean them prior to priming. Prime the back of the paving units being used and place the units onto the wet Streetscape Fine Bedding Concrete and adjust the levels as required. Always ensure that the Streetscape Fine Bedding Concrete layer is fully compacted.
3. Application thickness of the Streetscape Fine Bedding Concrete should be in the range of 30mm to 75mm. In situations where thick layers are required to be built up, the surface of the under layer should be left with a wood float finish and should be scored. Subsequent Bond Plus and Streetscape Fine Bedding Concrete layers may be applied as soon as the initial layer is firm enough not to distort under the new work.
4. Streetscape Fine Bedding Concrete may be applied at temperatures between 5°C and 35°C.

## Curing

- In temperate ambient conditions, no special curing is required. In severe drying conditions of high temperatures and high wind, the paved surface should be sprayed with water to assist with temperature control of the paving surface and provide water for additional curing of the Streetscape Fine Bedding Concrete

## Clean-up & Return to Service

- Clean mixing and application equipment with water before concrete dries
- Wait approximately 3 days before returning the area to vehicular traffic

## PRECAUTIONS

### Safety

- SDS is available from [www.sika.com.au](http://www.sika.com.au)

### General

- Do not use when temperatures are below 5°C or above 35°C
- Streetscape Fine Bedding Concrete is non-flammable

### Specific

- Bedding of paving units shall be carried out using Streetscape Fine Bedding Concrete. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions

- Streetscape Fine Bedding Concrete is manufactured under a quality system conforming to BS EN ISO 9001:2008
- Streetscape Fine Bedding Concrete has been tested in accordance with the relevant parts of the following standards: BS 1881 and BS 7533
- Streetscape Fine Bedding Concrete bulk bags should be used as soon as possible after delivery. Bags not to be used immediately should be stored on pallets and undercover
- Shelf life up to 6 months if bag is unopened and stored as specified above

## TECHNICAL DATA

TECHNICAL DATA	STREETSCAPE FINE BEDDING CONCRETE
Appearance	Grey Powder
Coverage	5m <sup>2</sup>
Pot life	60 minutes
Set time before grouting	6-8 hours
Light foot traffic	6-8 hours
Ready for commercial service 22°C	24 hours
Tensile bond strength	2.5N/mm <sup>2</sup>
Ready for vehicular traffic 22°C	3 days

All measurements are taken at 22°C and 50% relative humidity. Specifications vary according to site conditions and should be taken as a guide only.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



Davco products manufactured in Australia are produced in accordance with quality management systems certified as complying with AS/NZS ISO 9001:2008.

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