

# STREETSCAPE FJM RAPID



Larsen Streetscape FJM RAPID is a fast setting flowing jointing grout mortar specifically designed to meet the recommended performance characteristics of BS7533 and is designed to allow early trafficking. It is manufactured from a controlled blend of specially selected aggregates, cements and additives and only requires the addition of water to produce a high quality grouting mortar for rigid or bound construction methods. Streetscape FJM RAPID is ideal for the installation of natural stone setts and cobbles, flags, concrete and clay pavers.



**>40MPa COMPRESSIVE STRENGTH**

**5 – 50mm JOINT WIDTHS**

**UP TO 200mm JOINT DEPTHS**

**LOW SHRINKAGE**

**FROST RESISTANT**

**CONFORMS TO BS 7533**

**TECHNICAL INFORMATION:**

PRODUCT INFORMATION	
<b>FORM:</b>	Granular
<b>STANDARD COLOUR(S):</b>	Grey, Charcoal, Buff, Black
<b>MAXIMUM AGGREGATE SIZE:</b>	3mm
<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
<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>	4.5 – 5.0L per 25kg bag
<b>APPLICATION TEMPERATURE:</b>	+3°C to +30°C
<b>WORKING TIME:</b>	Approx. 10-15 minutes
<b>TIME TO TRAFFIC:</b>	Light Foot Traffic - after 1 hours Vehicle Traffic - after 4-6 hours (depending on site conditions)
<b>JOINT DIMENSIONS:</b>	5 – 50mm width / up to 200mm depth
<b>YIELD:</b>	13.6L per 25kg

**TECHNICAL INFORMATION (continued):**

<b>PERFORMANCE INFORMATION*</b>	
<b>DENSITY:</b>	2100kg/m <sup>3</sup>
<b>SHRINKAGE:</b>	0.02%
<b>COMPRESSIVE STRENGTH:</b>	55.9MPa
<b>FLEXURAL STRENGTH:</b>	8.7MPa
<b>MODULUS OF ELASTICITY:</b>	17100MPa
<b>BOND STRENGTH:</b>	2.0MPa

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

## **DIRECTIONS FOR USE:**

### **PREPARATION**

The substrate and paving (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 joints must be suitable to receive the bedding as per current good working practices. All joints to be grouted 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. Construction movement joints should be laid out at the design stage and should not be filled with Streetscape FJM RAPID.

### **MIXING**

Add 18 - 20% water, i.e. 4.5 - 5.0L of water per 25kg bag to achieve the desired workability without bleed. Mix with a suitable mechanical mixer for a minimum of 3 minutes. Please note Streetscape FJM RAPID is designed to be used as a fluid grout at the above water ratios. Where necessary, less water can be added. For example when laying to falls, but great care should be taken if adding more water to achieve a more pliable workability. When too much water is added there is a risk that the hardened properties of the product will be reduced and there will be a greater risk of settlement and bleed. Do not try to remix or wet-up FJM RAPID which has 'gone off'.

### **APPLICATION**

Streetscape FJM RAPID can be applied in joint widths of 5 -50mm and up to 200mm deep in a single pass. Due to the fluid nature of Streetscape FJM RAPID, it is important to ensure there will be no escape of material from the area to be grouted into nearby drains, etc. The product can be applied by pouring from a watering can or similar along the joints or by flooding the entire area and working the product in the joints with a squeegee.. Once the product has been applied, allow to firm up before attempting clean the face of the paving. This is carried out by spraying with water taking care not to wash material from the joints. Due to the rapid setting characteristics, care should taken not to allow the grout to harden on the surface of the paving particularly in warmer weather Freshly grouted areas should be protected from foot traffic for a minimum of 1-2 hours and from vehicle traffic for a minimum of 4-6 hours dependent on temperature and site conditions.

### **RESTRICTIONS**

Streetscape FJM RAPID should not be used in unbound or flexible constructions. Streetscape FJM RAPID 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 paving should not be frozen before grouting and fresh grout 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. The flooding application method should not be used with very porous paving blocks. Paving units should be cleaned before Streetscape FJM RAPID has fully hardened. Hardened grout will be very difficult to remove from the surface of the paving units.