

## Streetscape<sup>®</sup> Rapid Set Jointing Mortar ECO

A superior quality rapid-set jointing mortar, manufactured under an ISO 9001 quality controlled environment; using dried sands, recycled aggregates, lime, cement and additives specially designed to meet or exceed the requirements of BS 7533 part 7 & 12. The product is ideal for jointing of natural stone setts and cobbles, flags, concrete and clay pavers in a rigid, bonded construction.

- Complies with BS 7533 part 7 & 12
- Up to 20% recycled aggregates
- 5 - 50mm joint widths
- Up to 200mm joint depths
- Light foot traffic within 1 hour
- Frost Resistant
- Consistently high quality
- Long term durability

### Working Instructions

Rapid-Set Jointing Mortar ECO should only be used in bonded rigid constructions. The product should not be used in temperatures below 3° C in a falling temperature or below 1° C on a rising thermometer. The surface of the substrate should not be frozen or >30° C before bedding commences. Movement joints will be required in rigid/bonded constructions and should be designed and marked by the design team.

### Substrate

The substrate, including sub-base and road base should meet the requirements of the relevant part of BS7533 dependent on type of use.

### Preparation

All paving stones should be clean and thoroughly sound, free from oils, grease, dust, loose particles or any other contaminants which may interfere with adhesion. Paving stones should be wet before jointing starts in order to prevent staining.

### Mixing

Add the contents of the 25kg bag to approximately 4.25 litres of clean water and mix for 3 – 4 minutes, using a suitable bell mixer.. Add the product gradually to create a lump-free flowing slurry.



### Application

Pour the jointing mortar onto the pre-wetted pavement and chase into the joints using a squeegee. Ensure joints are full to the surface allowing for settlement. The surface of the pavement must be kept moist during the curing process. Sweep off any excess material with the squeegee when joints are full. When the joint has sufficiently hardened, to prevent washout, the cleaning process can begin. This can be as soon as 15 minutes depending on ambient temperature. Timing and experience is crucial to ensure no staining occurs. A constant flow of water in conjunction with a diagonal sweeping by squeegee action will remove the excess mortar from the paving surface. Depending on the stone surface, further cleaning by pressure washer may be required. For best results a specifically designed belt cleaner can also be used. Inspect the paving surface to ensure all excess mortar is removed. N.B. full training will be provided on site by SMET personnel in order to achieve best results using this product.

**PRECAUTIONS:** Wash all tools and equipment frequently to avoid staining. Ensure correct procedures are followed to avoid product staining. Placement time and ambient temperatures, at the time of placement, are factors to be considered to ensure no staining occurs. Only mix enough material which can be placed in 10mins. Once the material has stiffened (initial set), clean the paving units and their surrounding area thoroughly.

## Storage

Bulk bags and packed products must be stored clear of the ground in cool, dry conditions and protected from wind, rain and external physical damage. Packed products must be stored in unopened bags.

## Disposal Considerations

Wearing appropriate personal protective equipment, place spilled wet product in a suitable container. The product will set as a hard material.

## Safety

Caution. This product contains cement, which becomes alkaline when wet and may cause skin irritation. Use goggles, gloves and protecting cream. Avoid prolonged contact with skin. Avoid inhaling the dust. Wash affected area with warm water and soap. Wash eyes thoroughly and consult a physician. Do not ingest. See Health and Safety Data Sheet for further information.

## Risk Phrases

R41 Risk of serious damage to eyes

R 37 Irritating to respiratory system (dry product)

R 38 Irritating to the skin, may cause sensitization by skin contact, contains chromium (VI). May produce an allergic reaction

## Safety Phrases

S36, S37, S39 Wear suitable protective clothing, gloves and eye protection

S24/S25 After contact with skin, wash immediately with plenty of water

S28/S26 Avoid contact with eyes/wash immediately with plenty of water

S22 Do not breathe dust; keep locked up; keep out of reach of children; in case of an accident or if you feel unwell; seek medical advice immediately (show label where possible)

## Technical Information

Streetscape®: Rapid Set Jointing Mortar ECO	
Compressive Strength (28 days) (BS EN 1015-11)	> 53 N/mm <sup>2</sup>
Adhesion Strength (BS EN 1015-12)	> 1.5 N/mm <sup>2</sup>
Flexural Strength (28 days) (BS EN 1015-11)	> 9 N/mm <sup>2</sup>
Modulus Of Elasticity (DIN 18555-6)	20,000 N/mm <sup>2</sup>
Density (BS EN 1015-11)	2,060 kg/m <sup>3</sup>
Shrinkage (BS EN 445)	<0.1%
Use (External Use)	Yes
Use (Internal Use)	Yes
Yield per 25kg	13 litres
Recommend water content	16 - 17%
Initial Set	15 min
Final Set	60 min
Pot life	Maximum 10 minutes (depending on ambient conditions)
Colour	Standard Grey




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