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SPECIFICATION GUIDE // STREETSCAPE SYSTEM
BEDDING // PRIMING // JOINTING // SEALING

LARSEN

STREETSCAPE



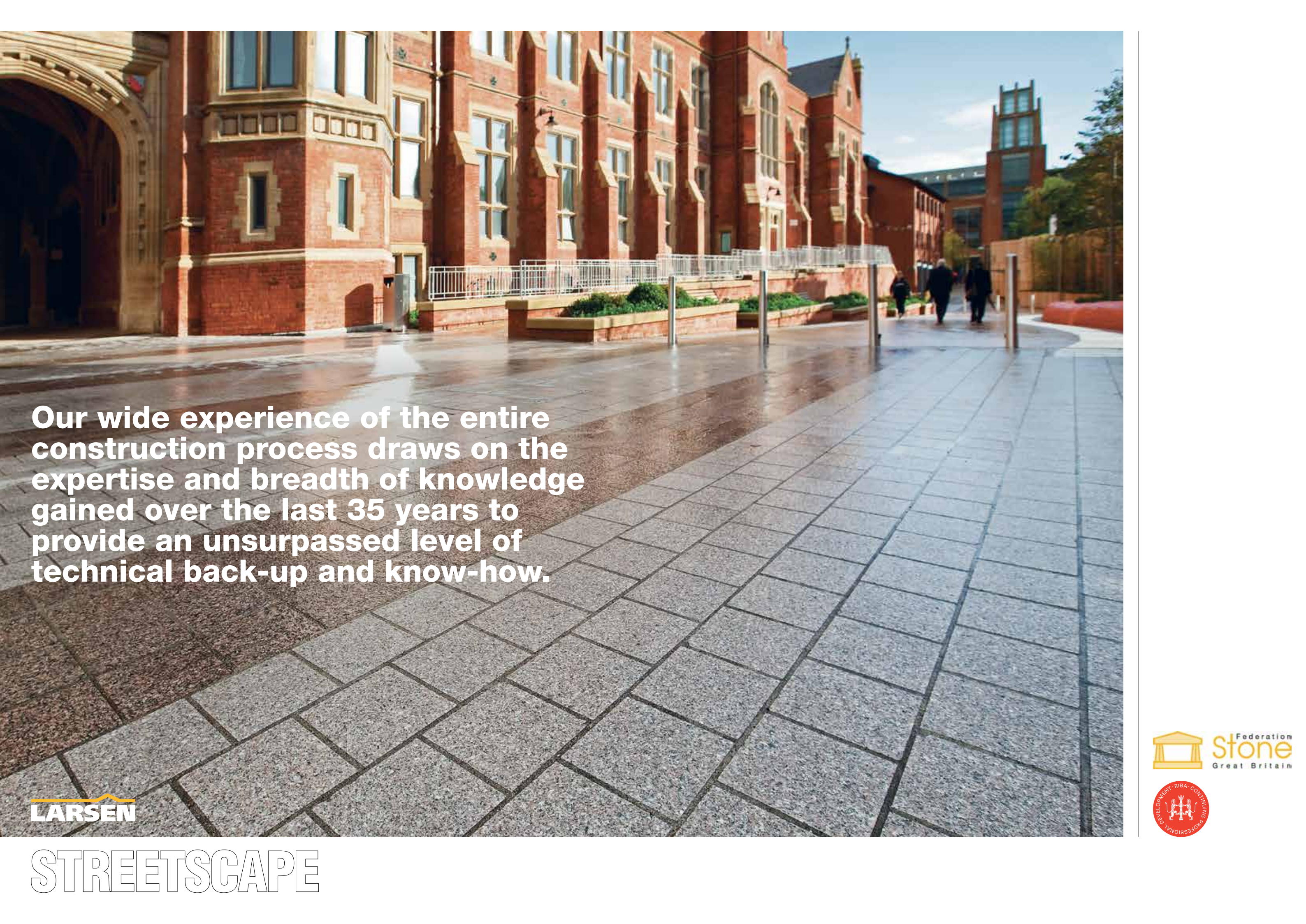


**Larsen Building Products,
as part of the Larsen group
of companies, has been
manufacturing quality
building products since
establishment in 1975.**

Larsen has now grown to become a market leading manufacturer of a comprehensive range of products for the construction industry. 2008 saw the next step in Larsen's continued growth with the completion of a purpose-built manufacturing facility in the Port of Belfast. This industry leading, computer-controlled facility has a production capacity of over 100,000 tonnes of product annually.

LARSEN

STREETSCAPE



Our wide experience of the entire construction process draws on the expertise and breadth of knowledge gained over the last 35 years to provide an unsurpassed level of technical back-up and know-how.



STREETSCAPE

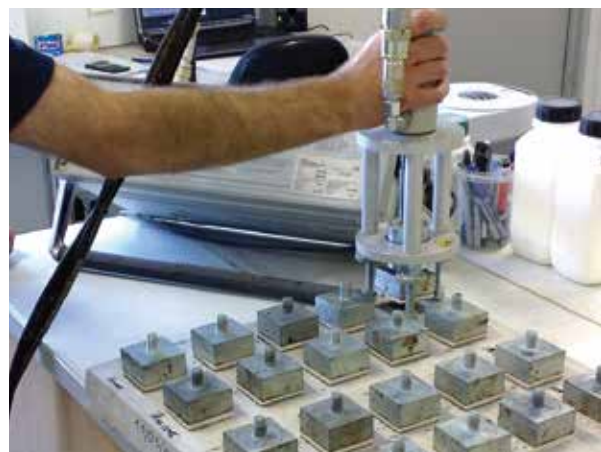




Our streetscape system balances technical merit and user friendliness without compromising either. The comprehensive range has been developed with the professional user in mind and has been independently tested by a UKAS accredited laboratory to meet the stringent performance requirements of BS7533.

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STREETSCAPE



PRODUCTS

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EQUIPMENT

RIBA APPROVED CPD SEMINAR

THE NATURAL CHOICE FOR NATURAL STONE MORTAR



The Larsen Streetscape team can deliver at your convenience, a Royal Institute of British Architects approved CPD seminar “The Natural Choice for Natural Stone Mortar”. Our in-depth seminar will guide you through the specification of a BS 7533 mortar system, the benefits of compliance and dangers of non-compliance.

Areas Covered

- British Standard BS 7533
- Rigid or Bound Pavement Construction
- Pavement Failure
- Avoiding Pavement Failure
- Adding Strength to your Stone
- Mortar Application
- Success Stories

Duration of course: 1 hour

For more information
or to book your seminar, email
CPD@larsenbuildingproducts.com
or telephone 028 9077 4000

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BEDDING



FINE BEDDING CONCRETE



Whatever your site conditions, we have the solution. Larsen Streetscape FBC is a fine bedding concrete, specifically designed to exceed the recommended performance characteristics of BS 7533.

Manufactured using a blend of specially selected aggregates, cements, fibres and additives, Larsen Streetscape FBC is ideal for the

installation of natural stone setts, cobbles, flags and concrete pavers.

Pre-blended in an advanced computer-controlled plant and available in either 25kg bags or bulk silos, Larsen's Streetscape FBC requires only the addition of water, removing the risks associated with multi component systems.

Bed depth	10mm-75mm (one pass) Greater depths can be achieved with more layers
Working time	60 mins approx at 20°C
Traffic time	12 hours - light foot traffic 24 hours - vehicular traffic approx at 20°C
Shelf life	6 mths in unopened bags from date of manufacture

Test	BS 7533	Larsen FBC	Result
Compressive	>35N/mm²	54.6N/mm²	complies
Adhesive/Bond	>2N/mm²	2.1N/mm²	complies
Flexural	>4.5N/mm²	9.9N/mm²	complies
Modulus	18,000 +/- 3,500N/mm²	16,009N/mm²	complies
Shrinkage	<0.1%	0.0%	complies

Contractor friendly 25kg bags

Bag Weight	25kg
Pallet Quantity	56
Yield	13.2 litres

Bulk silo

Bulk dry mortar silos hold 30 tonnes of pre-blended BS 7533 bedding mortar that's instantly mixed at the touch of a button. Bulk silos offer a cost saving compared to bagged material, eliminating the need for additional mixing equipment and disposal of packaging.

1 tonne bags

Dry powder delivered in 1 tonne bags assist with those larger projects when site access is restricted and when 25kg bags and silos are not practical.





EPOXY MORTAR

Larsen Streetscape EM is a three part pack solvent-free epoxy resin mortar perfectly suited for areas where exceptional strength and bond are required.

Larsen Streetscape EM offers the solution to the following problem. Traditional cementitious mortars experience difficulties when attempting to bond stone

and metal, eg. metal recess covers flex under load, causing the lower bonding characteristics of traditional mortar to fail.

Other areas subjected to intense forces or loading, such as raised carriageways, will benefit from the exceptional performance gained when using an epoxy mortar.

Bed depth	from 4mm-30mm
Working time	10-15 mins approx at 20°C
Traffic time	24 hrs - light foot traffic 48 hrs - vehicular traffic approx at 20°C
Shelf life	6 mths in unopened tubs from date of manufacture

Test	Larsen EM
Compressive strength	70N/mm ²
Flexural strength	25N/mm ²
Tensile bond strength	>2N/mm ²

Pack sizes:
5kg Yield 2.5 litres
10kg Yield 5 litres

Colours
Light grey





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STREETSCAPE PRIMING



PRIMING SLURRY



Larsen Streetscape PS is a priming slurry specifically designed to promote the adhesion of the paving element to the Larsen Streetscape FBC as recommended in BS 7533.

Larsen Streetscape PS is also recommended to promote the bond from the roadbase to Larsen Streetscape FBC.

Manufactured using a blend of specially selected aggregates, cements and synthetic polymers, Larsen Streetscape PS requires only the addition of water to produce a high quality priming slurry.

Working time	60 mins approx at 20°C
Shelf life	6 mths in unopened bags from date of manufacture

Test	BS 7533	Larsen PS
Adhesive bond	>2N/mm ²	2.1N/mm ²

Contractor friendly 25kg bags
Bag Weight 25kg
Pallet Quantity 56
Coverage / bag 19m²



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STREETSCAPE JOINING





FLOWABLE JOINTING MORTAR

Fills joint widths	5mm-50mm and joint depths up to 200mm
Working time	15 mins approx at 20°C
Traffic time	1-2 hours - light foot traffic 4-6 hours - vehicular traffic approx at 20°C
Shelf life	6 mths in unopened bags from date of manufacture



Larsen Streetscape FJM Rapid is a flowable jointing mortar formulated to exceed the requirements of BS 7533. It is fast and efficient to apply, allowing the contractor to grout large areas of paving quickly and cleanly. Fast set and early high strength characteristics allows areas of paving to be opened to foot traffic in 1-2 hours and vehicular traffic in 4-6 hours.

Test	BS 7533	Larsen FJM Rapid	Result
Compressive	40N/mm ²	55.9N/mm ²	complies
Adhesive/Bond	>1.5N/mm ²	2N/mm ²	complies
Flexural	>6N/mm ²	8.7N/mm ²	complies
Modulus	20,000+/- 4,000N/mm ²	17,100N/mm ²	complies
Shrinkage	<0.1%	0.02%	complies

Contractor friendly 25kg bags
Bag Weight 25kg
Pallet Quantity 56
Yield 13.6 litres

Suitable for granite, sandstone, yorkstone, limestone, porphyry, in fact almost all paving types, Larsen Streetscape FJM Rapid is the perfect solution for the jointing of small, medium or large paving schemes.

Larsen FJM Eco contains up to 20% recycled material. Perfect for regeneration projects looking to gain the CEEQUAL award.

Colours
Natural and Charcoal.

Special colours available, minimum order quantities apply.





GUN POINTING MORTAR



Larsen Streetscape GPM is a gun applied jointing mortar formulated to exceed the requirements of BS 7533.

Manufactured using a blend of specially selected fine aggregates, cements and additives, Larsen Streetscape GPM produces an economical, fast and easy-to-apply mortar. Applied using the Larsen point joint mortar gun

Fills joint widths	5mm-25mm and joint depths up to 150mm
Working time	20 mins approx at 20°C
Traffic time	1-2 hrs - light foot traffic 4-6 hrs - vehicular traffic approx at 20°C
Shelf life	6 mths in unopened bags from date of manufacture

Test	BS7533 Requirement	Larsen GPM	Result
Compressive	40N/mm ²	43N/mm ²	complies
Adhesive/Bond	>1.5N/mm ²	2N/mm ²	complies
Flexural	>6N/mm ²	6.5N/mm ²	complies
Modulus	20,000 +/- 4,000N/mm ²	18,000N/mm ²	complies
Shrinkage	+/-<0.1%	0.06%	complies

Contractor friendly 25kg bags

Bag Weight	25kg
Pallet Quantity	56
Yield	14.5 litres

Larsen Streetscape GPM is suitable for all your pointing requirements, steps, water features, paving, repointing of stone walling and brickwork.

Colours

Grey, Buff, Black, Yorkstone, White and Charcoal.

Special colours available, minimum order quantities apply.





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STREETSCAPE SEALING



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PROTECT

Larsen Streetscape Protect is an advanced, water-based, impregnating surface protector and stain repellent suitable for all types of natural stone.

Protector: Manufactured from advanced fluoropolymers, Larsen Streetscape Protect provides a protective barrier, therefore reducing staining from oil, grease and foodstuff. Larsen Streetscape Protect will not prevent chewing gum from sticking. It is intended to ease the effort required for its removal.

Unlike other products, the appearance of the impregnated surface remains almost totally unchanged.

Coverage
5L - 25m² approx



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SEAL PLUS 3in1

Larsen Streetscape Seal Plus 3in1 is a water-based paving sealer, sand stabiliser and protector suitable for all flexible paving and absorbant surfaces.

Sand stabilisation: Accelerated joint stabilisation prevents erosion of sand filled joints through vacuum sweeping, pressure washing and heavy rainfall.

Protector: Seal Plus 3in1 aids chewing gum removal by inhibiting adhesion to many surfaces.

Sealer: Seal Plus 3in1 provides excellent stain resistance to the surface of the paver ensuring ongoing cleaning regimes are quick, easy and cost effective.

Coverage (guide only)
Sand Stabiliser 2m² per litre
Protector / Sealer 6m² per litre

Coverage can be affected dramatically by the following: application method / porosity of paving / joint size and frequency.

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EQUIPMENT

Point joint mortar gun: Suitable for the application of Larsen Streetscape GPM, it features a high thrust trigger action, hardened rod and drive parts. The barrel is standard rainwater downpipe for an inexpensive replacement.

Mortar tub: Larsen manufacture high quality polyethylene tubs which allow the safe and easy transport of mortar around site.

Squeegee: The Larsen squeegee is designed to move flowable jointing mortar over the surface of the pavers into the joints and easily remove residue before the final wash off.



Note: The information and recommendations contained in this brochure are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations.





UK
T 028 9077 4000
F 028 9077 6945

IRELAND
T 01 8348255
F 01 8348277

www.larsenbuildingproducts.com