

**EXPERTS IN
MORTAR™**

STREETPAVE

**BS 7533-COMPLIANT
MORTAR PAVING SYSTEM**



EXPERTS IN MORTAR™

Understanding mortar is our business. Delivering excellent support on our full range of products is our promise.

At CEMEX, we have people with the specialist knowledge and experience to advise you on everything from product choice and delivery solutions to material management and health and safety.

All of our **STREETPAVE** mortars conform to British and standards and are factory produced for consistency and reliability. Our experts can advise on conformity to standards as well as strengths and working with different block options and complementary products. At our centrally based research and development centre, the team can support you further with special bespoke mix designs.

CEMEX is a UK leader in specialist mortar systems for hard landscaping providing a range of specially formulated low modulus bedding and jointing mortars for situations where compliance with BS 7533 is required. Bedding mortars are available in bulk silos and bags.

Key products in the range include:

STREETPAVE PaveBase – a fine bedding concrete ideal for providing a solid bed for natural stone slabs, man-made and clay paving prior to jointing. Available in silos, bulk bags and 25kg bags.

STREETPAVE PaveGrip is a high-performance priming and bonding mortar specially designed for natural stone and pre-cast concrete paving units.

STREETPAVE PaveFill – a slurry-applied jointing mortar for large areas of cobbles, pavers and small element paving.



Scan to find out more about our **FACTORY PRODUCED MORTARS**



DRY SILO



1 TONNE BULK BAG



25KG BAG

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ORDERING AND DELIVERY

Ordering couldn't be simpler through our dedicated mortar and sales support teams, locally-based and committed to serving your needs.

SILOS can be delivered directly to site. The mixer is connected to a single 230v 32-amp electrical supply and mains pressure water (1 bar). The operative, when trained and certified, can produce material straight away.

BAGS can be delivered in **bulk** (nominally 1 tonne) or **25kg** bags to site. A forced action mixer will be required to get the correct consistency. Bulk and 25kg bags are suitable for smaller sites or making good where the volume required on site doesn't lend itself to a silo.

ORDER/SALES OFFICE:

- ☎ **01926 811133**
- ✉ **gb-drysilomortar@cemex.com**
- 👉 **cemex.co.uk/mortars**



INTRODUCING STREETPAVE FROM CEMEX

STREETPAVE is a complete three-stage bedding, bonding and jointing mortar paving system. The range consists of BS 7533-compliant products for rigid pavement construction.



1 STREETPAVE PAVEBASE BEDDING MORTAR

Available in silos, bulk bags and 25kg bags

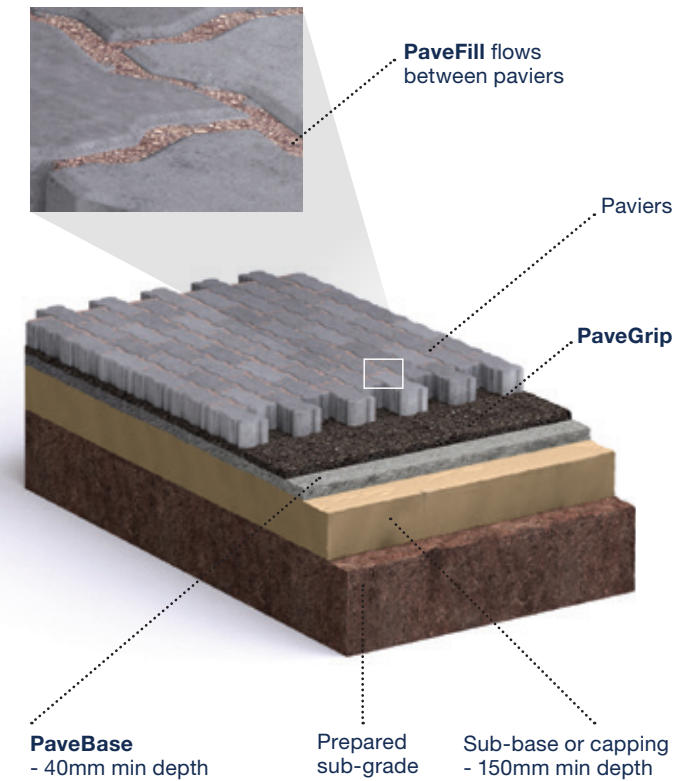
2 STREETPAVE PAVEGRIP PRIMING SLURRY

Available in 25kg bags

3 STREETPAVE PAVEFILL FLOWING JOINTING MORTAR

Available in 25kg bags

HOW THE SYSTEM WORKS



1 Lay STREETPAVE PaveBase

STREETPAVE PaveBase can be supplied in 40 tonne silos complete with mixer units, this product is typically laid to a depth of 40mm.



2 Bond the pavers

Prior to laying the paving, a coating of STREETPAVE PaveGrip should be applied to the paver bases to help form a solid bond between the paving and the STREETPAVE PaveBase.



3 Construct the joints

Jointing can be carried out once set using STREETPAVE PaveFill, a high-strength jointing mortar which is applied as a slurry prior to the removal of any excess, using mechanical belt cleaners once the application is completed.

STREETPAVE PRODUCT GUIDE

The following table contains an overview of all three products within the CEMEX STREETPAVE Mortar Paving System:

| PRODUCT GUIDE | PaveBase | PaveGrip | PaveFill |
|---|---|---|--|
| Product overview | Laying course mortar to BS 7533 for rigid pavement of paving units and concrete paving blocks | Primer mortar for use with laying course mortar and paving units and concrete paving blocks | Jointing mortar to BS 7533 for rigid pavement of paving units and concrete paving blocks |
| Working time at 20°C | 90 minutes | 90 minutes | 10–15 minutes |
| Set time for foot traffic at 20°C | 12–24 hours | 12–24 hours | 1–2 hours |
| Set time for vehicle traffic at 20°C | 24–72 hours | 24–48 hours | 6–8 hours |
| Unit size | 25kg bag, 1 tonne bag and bulk silo | 25kg bag | 25kg bag |
| Product density – Wet – Dry | 2150–2200 2100–2150 | 1950–2050 1850–1950 | 2050–2150 2000–2100 |
| Coverage | 1m ³ will lay 10–12m ² at 75mm | 25kg will cover 16–18m ² | Dependent on unit size and joint pattern |
| Minimum and maximum width/depth | 10–75mm | N/A | 5–50mm |
| Compressive strength – 6 hours – 24 hours – 28 days | – – >35N/mm ² | – >10N/mm ² >45N/mm ² | >8N/mm ² >15N/mm ² >45N/mm ² |
| Flexural strength – 28 days | >6.0N/mm ² | >6.0N/mm ² | >7.0N/mm ² |
| Adhesive strength | >2.0N/mm ² | >2.0N/mm ² | >2.0N/mm ² |
| Suitable for | Natural stone setts, cobbles, flags and concrete and clay pavers | Natural stone setts, cobbles, flags and concrete and clay pavers | Natural stone setts, cobbles, flags and concrete and clay pavers |

STREETPAVE – A FULLY BS 7533-COMPLIANT SYSTEM

STREETPAVE mortar paving system consists of a range of high-performance, rapid strength bedding, priming and jointing materials that meet and exceed the strict demands of BS 7533.

BS 7533 is published by the British Standards Institute and is the code of practice for rigid and flexible paving systems. It outlines best practice for laying and product types to minimise risk of a paving system failing.

The STREETPAVE system has been designed to work as a three-stage process with each product tested individually and collectively as a system. Substituting one or more of the products could cause issues and lead to non-compliance with BS 7533.

Compliant systems are more robust and provide better overall value than non-compliant systems as they require less maintenance and last longer, in some cases exceeding 40 years.

STREETPAVE PAVEBASE BEDDING MORTAR

STREETPAVE PaveBase silo, bulk and 25kg bag bedding materials are designed to comply with the requirements of BS 7533 pavements constructed with clay, natural stone or concrete pavers.



Walk on in
12 hours & drive
on in 24 hours



Long-term
durability



Just add
water



Key features and benefits:

- Walk on in 12 hours & drive on in 24 hours
- Laid from 10-75mm in one pass
- Long-term durability
- Provides full BS 7533 compliance in conjunction with other **STREETPAVE** products

Product summary:

- Designed and manufactured from cement and graded aggregates
- Produced from designated factories and mixed with water on site, provides compressive strength of minimum 35N/mm² after 28 days complying fully with BS 7533 when tested in accordance to BS EN 1015-11

Format information:

- **SILO:** material will be delivered dry into a site silo and the supplied mixer will be connected to onto the flange of the butterfly valve
- **BAG:** delivered in bulk or 25kg to site, a forced action mixer will be required to get the correct consistency. Perfect for smaller silos or when smaller quantities are required

Applications:

- Paved public transport areas
- Paved pedestrian precincts
- Paved areas of mixed foot and vehicular traffic
- General private and public hard scape areas

Comprehensive Health & Safety information is available on our packaging and at cemex.co.uk/health-and-safety

Directions for use

Preparation

The substrate should meet all of the relevant requirements in BS 7533 dependent upon the type of traffic. All substrate should be clean and free of oil, grease and loose particles and any other contaminants. The substrate must be pre-soaked but clean from standing water.

Priming

To improve bond, it is essential to apply **STREETPAVE PaveGrip** priming slurry to the base immediately prior to laying the bedding mortar layer. All paving units must also be primed with **STREETPAVE PaveGrip** priming slurry immediately before placing on the **STREETPAVE PaveBase** bedding layer.

Mixing

To obtain the correct consistency sufficient water shall be added to form a “snowball” when the mixed material is compacted in the palm of your hand and when released it stays intact. As a guide for small (25kg) bags approximately 2-2.5 litres of water per bag should achieve the desired workability. Mix for a minimum of 3 minutes.

Application

STREETPAVE PaveBase can be applied in a bed of 10-75mm in a single pass. Greater thicknesses can be applied but laid wet on wet with each layer being fully compacted prior to laying another pass. If applying another layer to a previous layer which has already set it must first be primed with **STREETPAVE PaveGrip** priming slurry.

Restriction

- Do not use in unbound or flexible constructions
- Do not lay in temperatures of 3°C on a falling thermometer or 1°C on a rising thermometer
- Do not lay **STREETPAVE PaveBase** on frozen substrate
- In freezing weather protect **STREETPAVE PaveBase** until it has gained sufficient strength for damage not to occur
- Freshly laid areas must be protected from foot traffic for 12 hours

STREETPAVE PAVEGRIP PRIMING SLURRY

STREETPAVE PaveGrip is a high-performance priming and bonding mortar specially designed for natural stone and pre-cast concrete paving units, for use in bonded/rigid construction in commercial and public area projects.



Improves bond between paving and laying course



Brush applied 1-2mm thick



Suitable for high-trafficked pavement



Key features and benefits:

- Excellent bond strength
- Simple and easy to apply
- Reduced maintenance costs
- Specially selected aggregates
- Provides full BS 7533 compliance in conjunction with other **STREETPAVE** products

Format information:

- **BAG:** delivered in bulk or 25kg to site, a mixer will be required to get the correct consistency. Perfect for smaller silos or when smaller quantities are required

Applications:

- Creates the essential bond between the bedding and the paving element
- Suitable for high-trafficked pavement

Comprehensive Health & Safety information is available on our packaging and at cemex.co.uk/health-and-safety

Directions for use

Preparation

The substrate (including sub-base and road base) should meet the requirements of the relevant part of BS 7533 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

All paving units must be primed with **STREETPAVE PaveGrip** immediately prior to placing on the **STREETPAVE PaveBase**.

Mixing

Add 26% water, i.e. approx. 6.5 litres of water per 25kg bag to achieve the desired workability. Mix with a suitable mechanical mixer for a minimum of 3 minutes. Please note **STREETPAVE PaveGrip** is designed to be used at a semi-fluid consistency at the above water ratios. If more water is added, the hardened properties of the product will be reduced. Do not try to remix or wet-up **STREETPAVE PaveGrip** which has started to set.

Application

STREETPAVE PaveGrip can be applied stiff brush at a thickness of 1-2mm. When priming the base, the priming slurry should be fresh and wet when the **STREETPAVE PaveBase** is applied. When priming paving slabs, this should take place immediately prior to their placement on the **STREETPAVE PaveBase** bedding layer.

Restriction

STREETPAVE PaveGrip should not be used in unbound or flexible constructions. **STREETPAVE PaveGrip** 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 or substrate should not be frozen before priming and fresh primer 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.

Quality

This product is manufactured in a plant controlled under an integrated management system.

STREETPAVE PAVEFILL

FLOWING JOINTING MORTAR

STREETPAVE PaveFill is a high-performance, fast-setting and flowing jointing grout designed to meet the requirements of BS 7533.



Frost-resistant



Suitable for natural stone, cobbles, flagstone concrete & clay paver installation



Suitable for high-trafficked pavement



Key features and benefits:

- 40MPa compressive strength
- 5-50mm joint widths
- Up to 200mm joint depths
- Low shrinkage
- Frost-resistant
- Simple to mix and apply
- Reduced maintenance
- Provides full BS 7533 compliance in conjunction with other STREETPAVE products

Applications:

- Suitable for high-trafficked pavement

Comprehensive Health & Safety information is available on our packaging and at cemex.co.uk/health-and-safety

Directions for use

Preparation

The substrate of the areas to be paved must be suitable to receive the bedding mortar as per the requirements of BS 7533.

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. Thoroughly saturate the paving, joints, and bedding before grouting using plenty of water. Saturating the entire area will allow ease of cleaning, particularly with heavily textured or absorbent paving. Ensure paving is free from standing water. Construction movement joints should be laid out at the design stage and should not be filled with **STREETPAVE PaveFill**.

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 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 **STREETPAVE PaveFill** which has 'gone off'.

Application

STREETPAVE PaveFill can be applied in joint widths of 5-50mm and up to 200mm deep in a single pass. Due to the fluid nature of **STREETPAVE PaveFill**, 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, keep the area wet using a spray of water, never allow it to dry during the cleaning process.

Allow **STREETPAVE PaveFill** to firm up before attempting clean the face of the paving. This is carried out by spraying with water & using a squeegee or brush taking care not to wash material from the joints. Keep wetting and cleaning until all residue is removed from the surface. Due to the rapid setting characteristics, care should be taken not to allow the grout to dry out or 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.

Restriction

STREETPAVE PaveFill should not be used in unbound or flexible constructions. **STREETPAVE PaveFill** should only be used in bound/rigid constructions. In adverse weather conditions, paving should not be laid if 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 always be cleaned before **STREETPAVE PaveFill** has fully hardened. Hardened grout will be very difficult to remove from the surface of the paving units.

CEMEX has an established and proven range of products that work perfectly with our **STREETPAVE Mortar Paving System**.



neogem

NEOGEM SUDSFLOW WATER MANAGEMENT

Our incredible planet provides us with many valuable resources that enrich our daily lives.

At CEMEX, we recognise that minerals play an important role in our modern way of life. And, to uncover their full potential we have created **neogem**, a range of high-performance aggregate solutions for a multitude of purposes.

An eco-friendly solution as an effective water management system, **neogem SudsFlow** can be used for pavements, pathways, car parks and driveways.

neogem SudsFlow is a carefully graded crushed angular material to ensure the necessary interlock to provide stability in the construction layers, whilst still providing the adequate void to allow the free movement and storage of water.

The **STREETPAVE** system has been developed to work in conjunction with **neogem SudsFlow** to create a seamless and long-lasting solution.



Scan to find out more about
NEOGEM SUDSFLOW
WATER MANAGEMENT

Call 0345 1552 452 for more information



ReadyPave

READYPAVE CONCRETE BLOCK PAVING

Our range of concrete block paving products from CEMEX is designed to recreate the beauty of natural stone.

The product range offers design solutions for any domestic or commercial hard landscaping project, be it traditional, contemporary or simply practice.

ReadyPave pavers can be specified to form the architectural finish to the **STREETPAVE** system.



Scan to find out more about
READYPAVE CONCRETE
BLOCK PAVING

Call 0800 667 827 for more information



CEMEX is a global leader in the building materials industry providing high-quality, innovative products and exceptional service to both customers and the community in the most sustainable and efficient way possible.

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