

Steintec[®]

high performance paving mortars



Domestic Utility Paving Mortars Installation Guide & Accessories

PAVING INSTALLATION AS SIMPLE AS

1

BEDDING

2

BONDING

3

JOINTING



UK Based Manufacturer

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Domestic Utility / Landscape Range

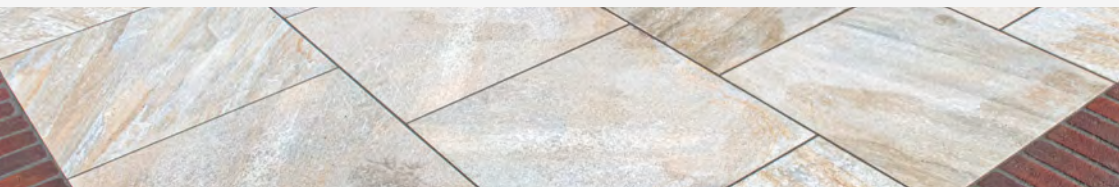
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About Us

The UK's leading supplier of high performance paving mortars.

Supplying the commercial and domestic markets from our UK based factory.

We have many years experience nationally and internationally, contributing to projects with outstanding longevity and visual appeal. We recognise that paving projects represent a major investment to all involved so we're committed to helping ensure the outcome for every project is a success.

Technical Advice, Sales and Support

In preparation for construction, we will brief contractors and layworkers on specific mixing, laying requirements, techniques, tips and tricks, tools and equipment and logistical issues. Our advice will help save time and money on site. During construction we can provide on-site assistance and layworker training specific to the unique requirements of your project.

We offer this valuable technical support free, because Steintec are as keen as you are to be associated with successful professional projects. Contact us at the earliest possible stage of your project and our experienced technical team will be delighted to assist you in any way we can.

Web: www.steintec.co.uk

Email: mail@steintec.com

Telephone: 0203 598 9800

Address: 1 Northwick Road
Canvey Island, Essex
SS8 0PU, UK



Key Features

- Pre-blended bedding mortar
- Suitable for shallow bedding depth of 10 - 70 mm
- Fully complies with BS 7533-101:2021 type 25 & type 35
- Suitable for heavily trafficked areas
- Compatible with all types of paving; granite, natural stone, concrete & porcelain units
- Suited to commercial and public realm projects

A high performance pre-blended and bagged Type 25 and Type 35 bedding mortar to BS7533-101:2021. tuffbed is supplied in 25 kg sealed moisture resistant bags.

For use in smaller scale commercial, public realm and domestic projects. tuffbed high performance bedding mortar is suitable for use in pavements constructed in concrete or natural stone paving units.

When tested in accordance with BS7533-101, Annex C, tuffbed does not exceed the maximum permissible capillary rise of 20mm.



Technical Specification

Usage	Bedding / Laying Course	Pallet weight	830 or 1,030 kg inc. pallet
Characteristics	Pre-measured and pre-blended, dried aggregate and binder	Working time	40 min at 10°C 30 min at 20°C
Colour	Grey	Working temperature	≥ 2°C
Packaging	25 kg Bag	Compressive strength (20°C)	14 days: 25 MPa 28 days: 35 MPa
Bed depth range	10-70 mm	Permeability	≥ 5 x 10 ⁻⁵ m/s
Typical water used	3 litres per 25 kg	Capillary rise	< 20 mm
Typical consumption / coverage	25 mm: 55 kg/m ² 40 mm: 88 kg/m ² 50 mm: 110 kg/m ²	Modulus of elasticity	(18,000 ± 3,500) MPa
Packages per pallet	40 or 48	Storage life	2 years from manufacture date
		Compliance	BS 7533-101:2021

Pre-blended Bedding Mortar



Step 1
Clean paving units



Step 2
Mix with water



Step 3
Clean area



Step 4
Place tuffbed
bedding mortar



Step 5
Brush on the
bonding mortar



Step 6
Bed unit onto
tuffbed mortar



Key Information

Add the water to achieve a mix consistency which should be sticky, but not wet and so that a ball can be formed in the palm of one's hand. Bonding mortar where required should be applied using a stiff brush. Allow 24 hours to set before walking on the paving.

For trafficked applications, where there is a concrete base present, a layer of tuffbond priming mortar should be applied to the concrete base before the mixed bedding mortar is put in place.



Key Features

- Creates the essential adhesion bond between bedding and the paving element.
- For small scale paved areas in; natural stone, porcelain, concrete and granite paving units.
- A 2–3 mm thick coat of tuffbond utility, enhances adhesion by 100%
- Polymer and resin free.
- Provides full BS 7533:101 compliance when used in conjunction with tuffbed Utility and tufftop Utility jointing mortar.

tuffbond Utility is a bonding and priming mortar used to enhance the adhesion bond between the paving units and bedding mortar and where present, between the bedding mortar and supporting concrete structure.



For ease of use tuffbond Utility has been packaged in pre-measured sachets contained in a reusable, recyclable tub.

With individual sachets, only the required amount of tuffbond Utility is used and wastage is minimised.

Technical Specification

Colour	Grey	Length of working time	40 min at 20°C
Packaging	12 kg Tub (4x 3 kg Sachets)	Working Temperature	≥ 2°C
Adhesion	≥ 2 N/mm ²	Packages per pallet	48
Consumption	16 m ² per tub (1 mm coat) 8 m ² per tub (2 mm coat)	Pallet weight	606 kg inc. pallet
Typical water used	750 ml to 1 litre per 3 kg sachet	Shelf life	2 years from manufacture date
		Compliance	BS 7533-101:2021

Bonding and Priming Mortar



www.steintec.co.uk/tuffbondUtility/#video

Step 1
Prepare
Equipment



Step 2
Wash underside
of paving units



Step 3
Add 750ml - 1L of
clean water per
sachet to the tub



Step 4
Add sachet to the
tub and mix



Step 5
Brush apply
1-2mm thick coat
to the paving unit



Step 6
Place primed
paving unit on
bedding



Key Information

Do **NOT** allow tuffbond Utility to dry, apply immediately prior to placing paving unit. When laying on an in-situ or reinforced concrete base, tuffbond Utility should also be applied to the clean surface prior to placing the bedding mortar.

tuffbond Utility is applied with a stiff brush to the entire underside of each paving unit.

Key Features

- Brush-in jointing mortar
- Designed for external use on smaller commercial, domestic, pavements, bound driveways and patios
- Four colours available; Flint, Anthracite, Hessian and Cream
- For paved areas in; natural stone, porcelain, concrete and granite paving units
- Minimal maintenance required
- Supplied in 12.5 kg tubs with a coverage of up to 31 m²
- Polymer and resin free

This revolutionary cementitious brush-in grout is easy to use.

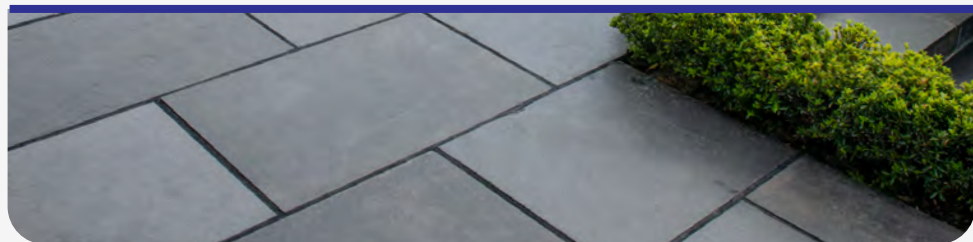
tuffjoint Utility has been produced and tested for easy use and for high quality, hard wearing jointing with no mixing required.



Sweep in the mortar using a soft rubber foam squeegee and/or a broom/brush. When joints are full, remove dry excess tuffjoint Utility from the paving, and return to the tub.

Apply water using a hose set on a fine mist spray until water is pooling on the joint surface. Use a Washboy to clean the paving units.

The joints may need topping up after watering, as the water added will push the mortar into any voids in the joints. Pour mortar onto affected areas and repeat process. Ensure no standing water is left on joints or paving units.





www.steintec.co.uk/tuffjointUtility/#video

Brush-In Grout

Technical Specification

Colour	Flint, Anthracite, Hessian and Cream
Packaging	12.5 kg Tub
Joint width	≥ 4 mm
Typical coverage	www.steintec.co.uk/Utility-calculator/
Packages per pallet	64
Pallet weight	830 kg inc. pallet
Curing time	5-6 hours at 20°C
Working time	30 min at 20°C, once wet
Working temperature	≥ 2°C
Storage life ^[2]	2 years from manufacture date



^[1] Pure cement based mortars are known to continue gaining strength over time, unlike resin and polymer based products that deteriorate over time.

^[2] The content of soluble chromium (VI) is less than 2 ppm. Product performance is unaffected by age.

Paving unit size	Joint width	m ² per (12.5kg) tub
800 x 800 x 20 mm	4 mm	31 m ²
600 x 900 x 20 mm	4 mm	28 m ²
400 x 1200 x 20 mm	4 mm	23 m ²
600 x 600 x 20 mm	4 mm	23 m ²
600 x 900 x 20 mm	6 mm	19 m ²
450 x 900 x 20 mm	6 mm	15 m ²
600 x 1000 x 20 mm	8 mm	14 m ²
600 x 900 x 24 mm	8 mm	12 m ²
600 x 900 x 24 mm	10 mm	9 m ²
600 x 600 x 24 mm	10 mm	8 m ²
600 x 900 x 50 mm	10 mm	4 m ²
600 x 600 x 50 mm	10 mm	3 m ²



Flint



Anthracite



Hessian



Cream

N.B. Printed colours are indicative only.

Physical samples are indicative for the colour and finish at the time of installation.

Colours may vary from batch to batch.

Online calculator available at www.steintec.co.uk/Utility-calculator/



Step 1
Prepare
Equipment



Step 2
Pour tuffjoint
Utility over the
paving.



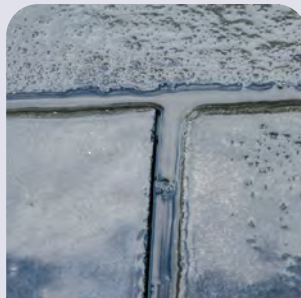
Step 3
Spread the mortar
into the joints.



Step 4
Return dry excess
to the tub for
future use.



Step 5
Use a fine mist
spray, all joints
should be ponding.



Step 6
Clean using
a Washboy or
Washboy Pro Kit.



Application

Key Information

- **DO** use a fine mist spray of water to avoid dislodging the product.
- **CAN** be used on damp or wet paving, excess water must be removed.
- **DO** use the right equipment for the installation and cleaning process i.e. Soft foam rubber squeegee, Washboy with rollers and sponge float.
- **DO** check weather forecast before installing. Cover paved area post installation if rain is forecast within 6 hours, to avoid the rain dislodging the mortar.
- **DO NOT** install when raining.

Only use a soft foam rubber squeegee or a broom/brush to spread tuffjoint Utility.

A hard rubber squeegee will not pull and push the mortar into the joints.

Diagonal swipes allow for the soft foam rubber squeegee to move the mortar without pulling mortar back out of the joints.

Only return dry unused mortar to the tub. Wet or damp excess tuffjoint Utility can not be reused and should be disposed of.

Use a fine mist to water the tuffjoint Utility until water is pooling on the joint surface, do NOT spray water directly into the joints or use a pressure washer as this will wash out the tuffjoint Utility.

The joints may need topping up after watering, as the water added will push the mortar into any voids in the joints. Pour mortar onto affected areas and repeat process.

Use flat diagonal swipes across the paving to remove remaining tuffjoint Utility from the surface. Clean the sponge float using the Washboy after each swipe. Ensure no standing water is left on joints or paving units.

Once all the excess tuffjoint Utility has been cleaned from the paving surface, leave to dry overnight. The paving and joints can be jet washed after 14 days.

We recommend the use of Steintec's permeable bedding & bonding mortars to ensure correct installation, in accordance with the British Standard BS 7533: 101.

The use of sand & cement in the bedding layer may cause moisture related issues.



tufftop[®] Utility

Key Features

- Self compacting jointing slurry mortar
- For smaller commercial, domestic, bound construction pavements, driveways and patios
- Four colours available; Natural Grey, Mid Grey, Dark Grey, Beige
- For paved areas in; natural stone, porcelain, concrete and granite paving units
- Complies with BS 7533:101
- Minimal maintenance required
- Polymer and resin free.

Convenient and easy to use jointing mortar.

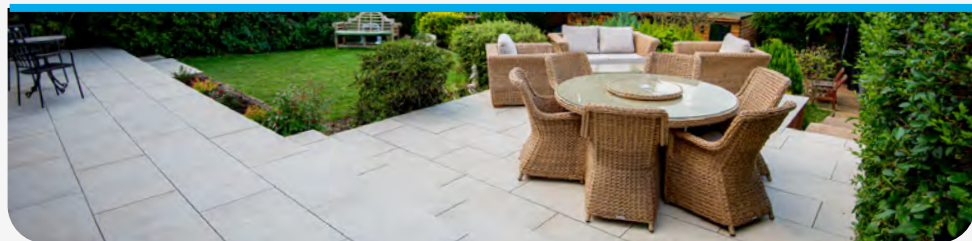
Requires just 1 litre of clean water per 6 kg sachet added to the tub and mixed with a paddle mixer, to be ready to go.

Ease of use makes tufftop Utility ideal for smaller projects including driveways, pavements and patios.

tufftop Utility has been developed to make things as easy as possible for all users. Supplied in a reusable and recyclable tub.

The individual sachets in each tub ensure the correct amount of tufftop Utility is used and wastage is minimised.


The carefully measured contents of each sachet are mixed with exactly 1 litre of water.





Jointing Mortar

Technical Specification

Colour	Beige, Natural Grey, Mid Grey & Dark Grey	Elastic modulus	(20,000 ± 4,000) MPa
Packaging	12 kg Tub (2x 6 kg Sachets)	Adhesive bond	1.5 MPa
Joint width	≥ 4 mm	Storage life	2 years from manufacture date
Typical water used	1 litre per 6 kg sachet	Compliance	BS 7533-101:2021
Typical coverage	www.steintec.co.uk/Utility-calculator/		
Packages per pallet	48		
Pallet weight	606 kg inc. pallet		
Set time	24 hours		
Working time	30 min at 20°C		
Working temperature	≥ 2°C		
Compressive strength (20°C)	28 days: 25 N/mm ²		
Flexural strength	3.5 MPa		

Dark Grey
Mid Grey
Natural Grey
Beige



N.B. Printed colours are indicative only.

Physical samples are indicative for the colour and finish at the time of installation.

Colours may vary from batch to batch.

Paving unit size	Joint width	m ² per (12kg) tub
600 x 1200 x 20 mm	4 mm	27 m ²
600 x 900 x 20 mm	4 mm	24 m ²
600 x 600 x 20 mm	4 mm	20 m ²
600 x 900 x 20 mm	6 mm	16 m ²
600 x 900 x 24 mm	8 mm	10 m ²
600 x 900 x 24 mm	10 mm	8 m ²
600 x 600 x 24 mm	10 mm	7 m ²
600 x 900 x 50 mm	10 mm	4 m ²
600 x 600 x 50 mm	10 mm	3 m ²

Online calculator available at www.steintec.co.uk/Utility-calculator/

tufftop® Utility

Scan QR Code
for a Video
Demonstration



Step 1
Prepare
Equipment



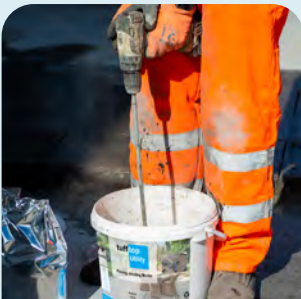
Step 2
Wash and wet
paving & remove
any pooling water



Step 3
Add 1L of water
per sachet to tub



Step 4
Add sachet to tub
and mix



Step 5
Pour tufftop Utility
over wet paving



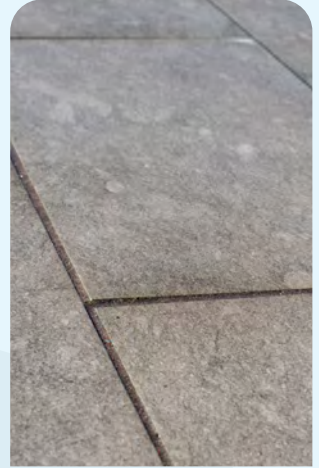
Step 6
Spread tufftop
Utility to fill joints



Application

Step 7

Clean using a squeegee with water
and/or a sponge float



Key Information

It is important the pavement is entirely wet but not drenched, to aid application, the complete filling of the joints and the final cleaning process. Wipe away any pooling or standing water using a clean squeegee.

Do **NOT** let mortar dry on the surface, spray with a light mist to keep moist while applying & cleaning, if necessary. Do **NOT** drench the the paving with water while cleaning as this may cause colour pigments to be washed out of the joints. Ensure no standing water is left on joints or paving units.

We recommend the use of Steintec's permeable bedding & bonding mortars to ensure correct installation, in accordance with the British Standard BS 7533:101.

The use of sand & cement in the bedding layer may cause moisture related issues.

Key Features

- Economically extends life of old paving.
- Dramatically improves appearance.
- Quick and easy to apply.
- Saves time and money.
- Repairs cracked, broken and missing jointing mortar.
- Stabilises loose and rocking pavers.
- For all types of paving module; Setts, slabs, flags, blocks, etc.
- Paths, patios, pavements and driveways.

tufffix can rejuvenate old paving, giving it a new lease of life, alleviating the need to fully lift and re-lay.

Old paving, often laid on sand/cement, which has cracked and broken joints and rocking pavers can be renovated with tufffix.



The thick flowable slurry mortar fills voids and replenishes joints to provide a structural repair.

Three simple steps to replenish damaged paving with tufffix;

1. Remove all loose material from joints and thoroughly clean, ideally with a pressure washer.
2. Pour tufffix in to the joints.
3. Remove any excess using a sponge float.

Portions of the existing jointing mortar that are still sound and secure can be left in place and the tufffix applied over and around.

The longevity of a repair carried out with tufffix will depend on the condition and quality of the existing structure, how heavily it is trafficked, and how well it is prepared.

High Performance Paving Repair Mortar



Technical Information

Colour	Natural Grey
Packaging	Tub
Packaging weight	11 kg (2x 5.5 kg Sachets)
Joint width	≥ 1 mm
Typical water used	1 L per 5.5 kg sachet
Packages per pallet	48
Pallet weight	558 kg inc. pallet
Set time	3 hours
Working time	15 min at 20°C
Working temperature	≥ -2°C

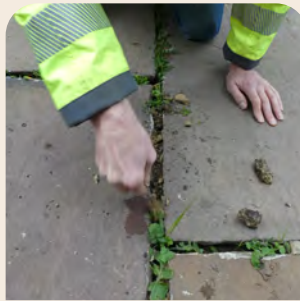
Compressive strength (20°C)	1 hr: 27 MPa; 24 hrs: 50 MPa
Flexural strength	7.5 MPa
Elastic modulus	(20,000 ± 4,000) MPa
Storage life	2 years from manufacture date
Compliance	BS 7533-101:2021



Step 1 Prepare equipment



Step 2 Remove organic material and loose jointing



Step 3 Thoroughly prepare joints



Key Information

It is important the pavement is entirely wet but not drenched, to aid application, the complete filling of the joints and the final cleaning process. Do **NOT** let mortar dry on the surface, spray with a light mist to keep moist while applying and cleaning, if necessary. Do **NOT** drench the the paving with water while cleaning as this may cause colour pigments to be washed out of the joints. Only mix and apply one sachet at a time. Do **NOT** mix more material than will be used within about 15 minutes at an ambient 20°C.

Application

Step 4
Add 1L of water
per sachet used



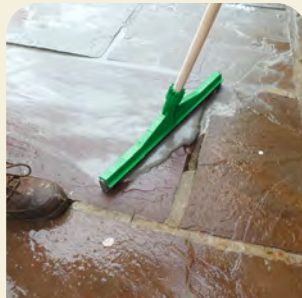
Step 5
Add sachet and
mix



Step 6
Pour mortar onto
wet paving



Step 7
**Spread mortar to fill joints and remove
excess**



Step 8
Clean using a
squeegee or
sponge float



Tools & Equipment

While few special tools are required to use tuffbau's range of products, there are some that can make life easier and massively improve efficiency on site.

The range of products illustrated here is a selection of favourites based on our own experience and feedback from the trade.

Mixing

Paddle Mixers

The electric paddle mixer is ideal for the rapid, thorough and even mixing of many of our mortars.



Cleaning & Hand Tools

Washboy kit

The 23-litre bucket comes supplied with a sponge faced hand trowel. It is very simple to use and has an easy to clean double roller that sits on top of the bucket and makes light work of cleaning the sponge.



Washboy Pro kit

The 24-litre bucket comes supplied with a sponge faced floor float. The long aluminium handle makes it easier to clean mortar from paving without constant bending.



Soft Foam Rubber Squeegee

For the application of slurry grout. Designed to push materials into the paving joints, as well as removing surface residues.



weiss[®]

Pavement Care: Protection & Cleaning

Sizes for Weiss products range from 150 ml samples to 10 L containers.

Please contact our technical support team to check on product compatibility before purchasing.

Stain Protect Pro
Protects paving from staining

Colour Enhancer
Wet look paving protection

Install Protect
Pre-construction protection impregnator



CSR
Cement stain remover

Professional Paving Cleaner
pH neutral paving cleaner

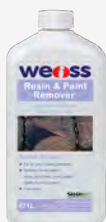
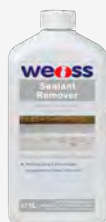
Rust Remover
Rust stain remover and inhibits new rust



Oil & Grease Stain Remover
Removes deep and stubborn stains

Organic Stain Remover
Plant and organic residue remover

Algae & Moss Treatment
Moss and algae cleaning



Sealant Remover
Removes impregnators

Resin & Paint Remover
Breaks down chemical marks and stains

Steintec Mortars F.A.Q.

How do I mix your Utility mortars?

Method statements for all our products can be found on our website www.steintec.co.uk/mortar-methodstatements.
tuffjoint Utility is applied without any mixing.



What temperatures can your mortars be used at?

Our mortars can be used between 2°C and 30°C. DO NOT lay bedding or joint paving if the temperature is below 3°C on a falling thermometer, or below 2°C on a rising thermometer.

Will temperatures affect curing times?

Yes, at lower temperatures mortars take longer to cure, although final performance generally is unaffected above 2°C.

Can I use the products when raining?

Our products can be used in light rain.
Excess tuffjoint Utility can not be returned to the tub for future use if wet.

Can your mortars be used on step treads, risers & edgings?

Yes, both tufftop Utility and tuffjoint Utility can be used on step treads, risers and edgings.

We have a PDF guide for how to do this on our website.
www.steintec.co.uk/_img/pics/pdf_1673539933.pdf



How long until I can drive or park on tufftop Utility or tuffjoint Utility on a driveway?

Based on an ambient 20°C temperature we would recommend 7 days for full strength but could be used after a minimum of 24 hours.

What is the m² coverage per bag or tub of your products?

Our online calculator at www.steintec.co.uk/utility-calculator will give you results based on your project size and materials being used.



The m² coverage of all our products vary depending on thickness of the bedding and the size of the paving units.

Key Features

- Water permeable (SuDS)
- 2-6 mm natural aggregate
- Available in 25kg bags or ~850 kg bulk bags
- Highly durable
- As described in EN 13242
- Complies with BS7533-101:2021

A crushed igneous rock aggregate suitable for use as the laying course material for conventional unbound modular pavements and as the laying course and jointing material in SuDS permeable unbound modular pavements.

Applications include driveways, public realm, commercial areas, patios and pavements using any paving units.

tuffgrit is blended for optimum interlock of the angular particles, actively extending the durability of unbound/flexible pavements.



Technical Specification

Colour	Grey	Packages per pallet	40 bags or 1 Bulk bag
Packaging	Bag or Bulk bag	NBS sections	Q24 Q25
Aggregate size	2-6 mm	Compliance	BS7533-101:2021
Joint width	8+ mm		
Packaging weight	25 kg or ~850 kg (dry weight)		
Pallet weight (inc. pallet)	1,030 kg (bag) ~880 kg (bulk bag)		

Permeable Aggregate

Clay pavers and concrete blocks
with nibs > 5 mm

Step 1
Screed tuffgrit
and compact
bedding before
laying units



Step 2
Units laid
touching



Cropped Setts

Step 1
Spread loose
tuffgrit bedding



Cropped Setts

Step 2
Tap setts down
tightly together
and to level



All

Step 3
Sweep tuffgrit
into joints



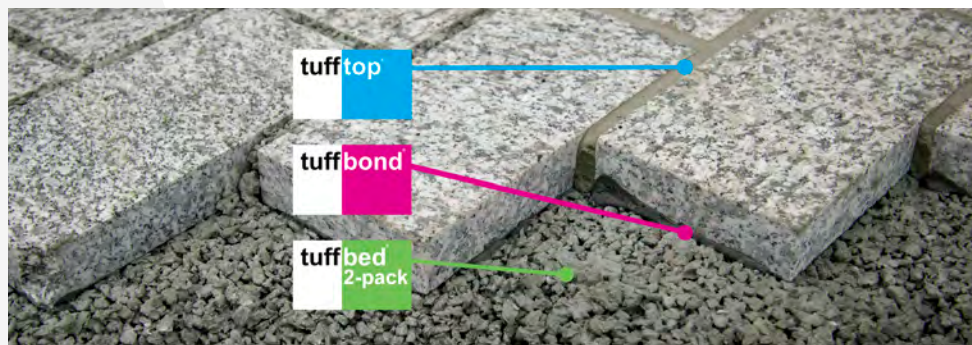
Step 4
Compact and
repeat steps 3 & 4
until joints are full



Commerical Mortars

Steintec's range of high-performance products has been developed to provide complete bedding and jointing solutions. All our commercial mortars achieve full compliance with the BS7533-101:2021 Standard for modular paving.

More information on these mortars can be found on our website; www.steintec.co.uk



Type 35, Permeable, Low Carbon Bedding Mortar for paving

tuffbed[®] 2-pack

High performance low carbon permeable bedding mortar.
Mix with four bags of tuffgrit aggregate for high strength bedding.



- Fully water permeable and frost resistant.
- Low carbon footprint
(visit www.steintec.co.uk for information).
- 40 min working time (10°C).
- ≥ 20 mm bedding depth.
- Helps prevent moisture related paving issues.
- Fully complies with BS 7533-101:2021 type 25 & type 35.
- Suited to commercial & public realm projects.
- Compatible with all types of paving; granite, natural stone, concrete and porcelain units.

Colour	Grey
Packaging	25 kg Bag
Bed depth	≥ 20 mm (40 mm recommended)
Typical water used	7 litres per 125 kg batch
Typical coverage	30 mm: 60 kg/m ² 40 mm: 80 kg/m ² 50 mm: 100 kg/m ²
Packages per pallet	40
Pallet weight	1,030 kg inc. pallet
Working time	40 min at 10°C, 30 min at 20°C
Working temperature	≥ 3°C
Compressive strength (20°C)	14 days: ≥ 25 MPa 28 days: ≥ 35 MPa
Flexural strength	≥ 7 N/mm ²
Permeability	> 5.5 x 10 ⁻⁴ m/s
Storage life	2 years from manufacture date

High Performance Bonding (Priming) Mortar

tuffbond

High performance bonding and priming.
Essential adhesion bond between bedding and the paving element.



- Creates the essential adhesion bond between bedding and the paving element.
- Applied to supporting concrete structures.
- High resistance to shear forces and thermal stresses.
- Polymer and resin free.
- Provides full BS 7533 compliance when used in conjunction with tuffbed or tuffbed 2-Pack and tufftop jointing mortar.

Colour	Grey
Packaging	25 kg Bag
Adhesion	2 N/mm ²
Consumption	1.5 kg/m ² per 2 mm layer
Typical water used	6.75 litres per 25 kg
Length of working time	40 min at 10°C 30 min at 20°C
Packages per pallet	40 or 48
Pallet weight	1,030 or 1,230 kg inc. pallet
Storage life	2 years from manufacture date

Type 40, High Performance, Pavement Jointing Mortar

tufftop

High performance slurry jointing mortar.
Extremely high durability and low maintenance.



- Self compacting jointing slurry mortar.
- Four colours available.
- Exceeds requirements of BS 7533-101:2021 for Type 25 & Type 40 jointing mortars.
- Compatible with all types of paving; granite, natural stone, concrete and porcelain units.
- Extremely high durability and low maintenance.
- Polymer and resin free.
- Easy to clean.

Colour	Beige, Natural Grey, Mid Grey & Dark Grey
Packaging	25 kg Bag
Joint width	≥ 3 mm
Typical water used	4 litres per 25 kg
Typical coverage	www.steintec.co.uk/calculator/
Packages per pallet	40 or 48
Pallet weight	1,030 or 1,230 kg inc. pallet
Set time	24 hours
Working time	30 min at 20°C
Working temperature	≥ 2°C
Compressive strength (20°C)	14 days: 30 MPa 28 days: 45 MPa
Flexural strength	6 MPa
Elastic modulus	(20,000 ± 4,000) MPa
Adhesive Bond	1.5 N/mm ²
Storage life	2 years from manufacture date

Fully Permeable SuDS Jointing Mortar

tuffflow



High performance permeable bound jointing mortar.
Water flows through the joints and bedding (tuffbed 2-pack).



- Greater choice for paving units (slabs, flags sets, blocks pavers, large format)
- Free of polymers and resin additives.
- Strong rigid jointing mortar for permanent installation.
- Maintenance, durability, trafficking / loading, versatility.
- Can be lightly jet washed and swept / brushed to keep clean and silt free to maintain aesthetics and permeability.
- Suitable for public spaces with heavy pedestrian traffic, vehicular overrun, domestic patios and driveways.
- No need to regularly top up joints.
- Low maintenance rigid/bound construction
- Lightweight blue / green roof construction

Colour	Dark Grey
Packaging	24 kg Bag (3 x 8 kg sachets)
Joint width	10 - 20 mm
Typical water used	1 litre per 33 kg mix (8kg sachet + 25kg aggregate)
Typical coverage	www.steintec.co.uk/calculator/
Working time	30 min at 20°C
Working temperature	≥ 2°C
Compressive strength (20°C)	28 days: 25 MPa
Storage life	2 years from manufacture date
Compliance	BS 7533-101:2021



Specialist Rapid Mortar

tuffset G

Specialist multi-purpose paving mortar. tuffset G can be used for top to bottom reinstatement of an entire paving structure.



- Ready for heavy traffic within 3 hours.
- ≥ 20 mm bedding depth.
- Multi-purpose: bedding, priming, jointing, emergency repairs & filling around gully and manhole frames in carriageways.
- Available in three colours.
- Free of chemical admixtures, polymers and resins.
- Exceeds the requirements of BS7533-101:2021 for bedding, bonding and jointing.

Colour	Natural Grey, Mid Grey & Dark Grey
Packaging	25 kg Bag
Bed depth	≥ 20 mm (40 mm recommended)
Joint width	≥ 1 mm
Packages per pallet	40 or 48
Pallet weight	1,030 or 1,230 kg inc. pallet
Set time	3 hours
Working time	15 min at 20°C
Working temperature	$\geq -2^{\circ}\text{C}$
Compressive strength (20°C)	(1:1 mix) bedding: 70 MPa bonding & jointing: 58 MPa
Flexural strength	3 hours: 4 MPa (1:1 mix) 1 day: 6 MPa (1:1 mix)
Elastic modulus	(20,000 \pm 4,000) MPa
Adhesive Bond	3 MPa
Storage life	2 years from manufacture date

Sixty Minute Cure Manhole-Levelling & Rapid Repair Mortar

tuffset 60

A supportive high performance mortar for the placing and levelling of iron works and street furniture in carriageways and pavements.



- Rapid setting (60 minutes) and strength gain.
- 20 minute working time.
- Placing and levelling of ironwork in areas of heavy traffic.
- Durable solution for emergency works.
- Frost resistant & highly durable.
- Higher performance alternative to sand and cement mixtures.
- Polymer and resin free.

Colour	Grey
Packaging	25 kg Bag
Bed depth	10 - 50 mm
Typical water used	3 litres per 25 kg
Typical coverage	40 mm: 90 kg/m ²
Packages per pallet	40 or 48
Pallet weight	1,030 or 1,230 kg inc. pallet
Set time	1 hour
Working time	30 min at 20°C
Working temperature	$\geq 2^{\circ}\text{C}$
Compressive strength (20°C)	1 hr: 25 MPa; 3 hrs: 30 MPa; 24 hrs: 40 MPa
Storage life	2 years from manufacture date



Steintec[®]

high performance paving mortars

Your *Steintec*[®] Stockist is

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Version 4.08

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