

## tuffsand®

## Stabilised jointing sand UK Patent & International Patents Pending

## product type

## specification

**High performance, eco friendly, stabilised jointing sand for construction of unbound paving.**

**tuffsand** is designed for use in the construction of unbound pavements. It permits the slight movement of paving elements; a necessity for the long term health of all unbound pavement construction. **tuffsand** swells on saturation with water to allow realignment of aggregate particles within the joints to self-heal following the application of an overbearing load or fatigue caused by over-trafficking. In its normal state, or once healed, **tuffsand** provides significantly stiffer restraint of the paving elements than pavior sand. Normal European annual rainfall is sufficient to facilitate the self-healing cycle of **tuffsand**.

## production

	tuffsand
<b>trafficking:</b>	light though to heavy <i>such as driveways, patios, pedestrian pavements, car parks and city streets</i>
<b>joint width:</b>	3-12 mm
<b>paving elements:</b>	concrete and natural stone slabs, sawn-sided and cropped setts, bricks and blocks

## application

For detailed instructions see method statement available at [www.steintec.co.uk](http://www.steintec.co.uk)

Method 1: tuffsand is mixed with water and poured on to the pavement surface as a wet slurry, drawn repeatedly across the pavement surface to fill joints.

Method 2: tuffsand is mixed with water to form a paste; applied to the pavement joints using a trowel.

## workability

4 hours at 20°C. Applied to the pavement surface as a wet slurry, tuffsand remains workable for approximately 4 hours at 20°C ambient temperature if kept agitated and prevented from drying out. Do not apply at ambient temperatures below 5°C.

## water permeability

tuffsand is water permeable but not free draining. The permeability of a pavement jointed with tuffsand is dependent on several factors including, but not limited to, saturation, width and depth of joint, dimensions of paving elements, depth and permeability of bedding, base and foundation layers.

## water absorption

Rate of water absorption of tuffsand is dependent on several factors including, but not limited to, density of compaction, joint dimensions and existing level of saturation.

## compressive strength

tuffsand is highly elastic in compression and in normal conditions, used as a stabilised substitute for unbound jointing sand, may not be sufficiently overloaded to fail in compression.

## storage

Up to 1 year, in dry conditions raised from the ground, from date stated on packaging.

## durability

tuffsand is highly resistant to abrasion resulting from mechanical cleaning, however resistance can vary according to changes in ambient temperature and moisture levels.

## maintenance

Joints eroded by extreme weathering, excessive mechanical cleaning or accidental damage may be topped up by repeat applications of tuffsand in accordance with the method statement.

## health &amp; safety

Refer to material safety data sheet available at [www.steintec.co.uk](http://www.steintec.co.uk)

## manufacturer

**SteinTec**

728 London Road  
West Thurrock, Essex  
RM20 3LU, UK

tel: 01708 860 049  
fax: 01708 860 893  
info@steintec.co.uk  
www.steintec.co.uk

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