

Method Statement and Technical Data

tuffbond priming mortar

tuffbond characteristics

tuffbond is a high performance bonding and priming mortar suitable for natural stone and precast concrete paving slabs and setts laid in all traffic conditions.

tuffbond enhances the adhesion bond between bedding mortars and both paving elements and supporting concrete structures/roadbase.

Where to use tuffbond

A coating of **tuffbond** between 1 and 2 mm thick beneath each paving element will ensure maximum contact with the aggregate particles within the bedding mortar, transferring tensile and shear forces via the very high adhesion bond to give exceptional performance.

If the bedding is to be laid on a concrete base, or supporting concrete structure, a 1-2 mm layer of **tuffbond** priming mortar should be applied to the base before the bedding mortar is placed on it, to improve performance further.

How to use tuffbond

If **tuffbond** is being applied to the base ahead of the bedding mortar, make sure all loose debris is swept clear before the primer is mixed. The same applies to the pavers, which should be clean and individually wiped with a damp sponge to remove any dust, or particles that could interfere with adhesion performance.

To prepare **tuffbond**, empty the 25kg bag into a bucket, and using a cordless drill with a spiral mixing paddle or twin paddle mixer, add up to approx. 6 litres of water mixing thoroughly to form a thick, smooth paste.

With a working life of around 60 minutes at 20°C, the material may start to settle in the bucket. This can be avoided by stirring it once or twice after application to each paver, and if necessary, refreshed by adding an occasional splash of extra water.

Apply a 1-2 mm layer of primer to the concrete base using a stiff brush, and pour the bedding at once, before the primer has had a chance to dry or skin.

The paving units should each be coated generously with a 1-2 mm layer of **tuffbond** using a stiff brush or trowel, no more than one minute before they are laid firmly into position.



tuffbond – Technical Data

Working temperature range	2°C - 30°C
Length of working time	60 minutes at 20°C
Adhesion strength ca.	2.0 N/mm ² (when used with tuffbau bedding mortars)
Consumption approx (per layer applied)	1.5kg m ²
Water required for 25kg mortar	approx 6.75 litres

tuffbond MUST not be allowed to skin or dry before being applied

DO NOT apply tuffbond more than 1 minute before its contact with bedding

tuffbond has a nominal shelf life of six months – but can last longer in a moisture-free environment.

tuffbond complies with or exceeds the performance requirements of BS7533-7 & BS7533-12