

**Technical information for “tuffbond”
priming/bonding mortar**

tuffbond[®] is a high performance bonding and priming mortar which requires only the addition of water

tuffbond[®] is designed 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 layers/structures

A layer of between 1 mm to 2 mm thickness ensures the fullest possible contact with the aggregate particles within the bedding mortar, transferring tensile forces via the very high adhesion bond without compromising the performance characteristics of the bedding mortar layer.

Small paving elements may be dipped into a shallow tray of the liquid mortar mix.

Large paving elements and supporting concrete structures / roadbase may be coated using a brush.

SteinTec **tuffbond**[®] complies with or exceeds the performance requirements of BS7533-7 & BS7533-12

Some important performance data for tuffbond[®] **priming/bonding mortar:**

Lowest working temperature 2°C

Length of working time 60 minutes at 20°C

Adhesion strength ca. 2.0 N/mm² (used together with SteinTec bedding mortars)

Consumption approx. 1.5 kg/m² of surface layer applied
(when applied to both underside of paving element and to concrete supporting structure or roadbase the overall consumption will be approximately 3 kg/m²)

Typical water to add approx. 6.75 litre per 25 kg dry mortar

Ensure thorough mixing. Use a powerful spiral mixing paddle with a speed of approximately 600 rpm for a minimum mixing time of 2 minutes. Detailed advice is available on request

Do not apply **tuffbond**[®] more than 1 minute prior to it making contact with the bedding mortar

tuffbond[®] must not be allowed to skin or dry prior to it making contact with the bedding mortar

SteinTec[®] **tuffbond**[®] is supplied as a pre-mixed dry product packed in moisture resistant bags

Storage life 6 months in dry conditions (mortar can last longer if stored in moisture free conditions, product found to be in a dry powder form is fit for use)

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