

## Technical Data – *tuffbed 2-pack* bedding mortar

Tuffbau SteinTec **tuffbed 2-pack** is a high performance, naturally pure hydraulically bonding mortar.

Bedding depths of between 20 mm to 70 mm may be placed in a single layer. Greater depths may be accommodated by placing successive layers.

**Tuffbed 2-pack** is shrinkage compensated, reducing the risks of failure associated with building permanent stress into new pavement structures, the inevitable result of excessive shrinkage.

The elastic modulus of **tuffbed 2-pack** is optimised to provide the correct supporting stiffness whilst continually absorbing the thermal and dynamic stresses inherent in all pavement structures.

SteinTec **tuffbed 2-pack** complies with or exceeds the performance requirements of BS7533-7 & BS7533-12.



Important performance data for SteinTec tuffbed 2-pack :	
Maximum working temperature	30°C
Length of working time	60minutes @ 20°C
	120 minutes @ 10°C
Typical compressive strength gains	14 days at 20° C - ca. 25 N/mm <sup>2</sup> 28 days at 20° C ca. 35 N/mm <sup>2</sup>
Flexural strength	ca. 4.5 N/mm <sup>2</sup>
Adhesion strength	ca. 1 N/mm <sup>2</sup> ca. 2 N.mm <sup>2</sup> (when used with tuffbau tuffbond
Modulus of Elasticity	14.000-18,000 N.mm <sup>2</sup> (depending on application)
Consumption	1.9kg per litre (without wastage)

Typical water to add approx. 5 - 9 litre per 125 kg batch of bagged product, depending on desired slump for particular application. **NB** – BS7533-4 recommends a 150 mm slump when laying paving slabs.

Storage life 12 months in dry conditions (mortar can last longer if stored in moisture free conditions, and product remains in a dry powder form that appears fit for use).

SteinTec **tuffbed 2-pack** is supplied as a bagged dry product packed in moisture resistant bags, to be mixed on site with a dedicated approved aggregate; both products are delivered together.

Where an enhanced adhesion bond is required for certain applications, the coating of surfaces using SteinTec **tuffbond** priming mortar is recommended for use together with SteinTec **tuffbed 2-pack**.

