

Technical information for “tuffbed[®] 2-pack” bedding mortar

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 of SteinTec **tuffbed[®] 2-pack** as a screed bed.

SteinTec **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 SteinTec **tuffbed[®] 2-pack** is optimised to provide the correct supporting stiffness whilst continually absorbing the thermal and dynamic stresses inherent in all pavement structures.

tuffbed[®] 2-pack complies with or exceeds the performance requirements of BS7533-7 & BS7533-12

Some important performance data for tuffbed[®] bedding mortar:

Lowest working temperature	2°C
Length of working time	2 hours at 20°C – 4 hours at 10°C
Typical compressive strength gain:-	
14 days at 20° C	ca. 25 N/mm ²
28 days at 20° C	ca. 35 N/mm ²
Flexural strength	ca. 4.5 N/mm ²
Adhesion strength	ca. 1.0 N/mm ²
Adhesion strength	ca. 2.0 N/mm ² (when used with SteinTec tuffbond[®] priming/bonding mortar)
Modulus of Elasticity	ca. 14,000 – 18,000 N/mm ² according to application and method
Consumption	approx. 1.9 kg/litre (2 kg/litre is commonly applied to allow for 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 150mm slump when laying paving slabs.
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)

SteinTec **tuffbed[®] 2-pack** is supplied as a bagged dry product packed in moisture resistant bags, to be mixed on site with a dedicated bagged aggregate; both products are delivered together. The ratio for mixing is 1 : 4 by weight (25kg **tuffbed[®]** to 100kg aggregate).

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**

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