

## Technical information for “tuffbed<sup>®</sup> 2-pack” bedding mortar

SteinTec **tuffbed<sup>®</sup> 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<sup>®</sup> 2-pack** as a screed bed.

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

**tuffbed<sup>®</sup> 2-pack** complies with or exceeds the performance requirements of BS7533-7 & BS7533-12

### Some important performance data for tuffbed<sup>®</sup> 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<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. 1.0 N/mm<sup>2</sup>

Adhesion strength ca. 2.0 N/mm<sup>2</sup> (when used with SteinTec **tuffbond<sup>®</sup>** priming/bonding mortar)

Modulus of Elasticity ca. 14,000 – 18,000 N/mm<sup>2</sup> 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 150 mm 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<sup>®</sup> 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..

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

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