

Technical Data – tuffbed ready to use bedding mortar

Tuffbau SteinTec **tuffbed** is a high performance, naturally pure hydraulically bonding mortar, pre-blended with aggregate that needs only to have water added and be thoroughly mixed.

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.

Tuffbau SteinTec **tuffbed** 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 Tuffbau SteinTec **tuffbed** is optimised to provide the correct supporting stiffness whilst continually absorbing the thermal and dynamic stresses inherent in all pavement structures.

Tuffbau SteinTec **tuffbed** complies with or exceeds the performance requirements of BS7533-7 & BS7533-12. Typical water to add approx. 2 to 2.5 litres for each complete 25kg sack of product, depending on desired slump for particular



| Important performance data for Tuffbau SteinTec tuffbed | |
|---|--|
| Maximum working temperature | 30°C |
| Length of working time | 60 minutes @ 20°C 120 minutes @ 10°C |
| Typical compressive strength gains | 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 N/mm ² ca. 2 N.mm ² (when used with tuffbau tuffbond) |
| Modulus of Elasticity | 14.000-18.000 N.mm ² (depending on application) |
| Consumption | 1.9kg per litre (without wastage) |

application. BS7533-4 recommends a 150 mm slump when laying paving slabs.

Storage life is 12 months in bone dry conditions (and product can remain fit for use if maintained in a dry powder form.)

Tuffbau SteinTec **tuffbed** is supplied as a bagged dry product packed in moisture resistant bags, to be mixed with water on site.

For an enhanced adhesion bond between the bedding layer and the underside of the paving elements, and the supporting layer beneath, the application of tuffbau SteinTec **tuffbond** priming mortar will ensure final compliance with the British Standard.

