

Technical information for “tuffbed[®] rapid” bedding mortar

SteinTec[®] tuffbed[®] rapid is a high performance, naturally pure hydraulically bonding mortar.

There are no additives or gauging liquids – “just add water” - SteinTec[®] tuffbed[®] rapid is tolerant of a range of water contents, to suit preferred working methods.

SteinTec[®] tuffbed[®] rapid does not require the use of special mixing equipment.

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[®] rapid as a screed bed.

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

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

Some important performance data for tuffbed[®] rapid 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:-	
1 day at 20° C	ca. 20 N/mm ²
7 days at 20° C	ca. 35 N/mm ²
28 days at 20° C	ca. 45 N/mm ²
Flexural strength	ca. 5.0 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. 3 litre per 25 kg bag of dry product

SteinTec[®] mortars are resistant to frost and anti-freezing chemicals.

SteinTec[®] tuffbed[®] rapid 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)

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[®] rapid

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