

Technical data for pavement bedding mortar SteinTec tuffbed 2-pack

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

There are no additives or gauging liquids – “just add water” - SteinTec **tuffbed 2-pack** is tolerant of a range of water contents, to suit preferred working methods.

SteinTec **tuffbed** 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 2-pack** as a screed bed.

SteinTec **tuffbed 2-pack** is shrinkage compensated, reducing the risks of failure resulting from permanent stress built in to new pavement structures, the result of excessive mortar shrinkage.

The Elastic Modulus of SteinTec **tuffbed 2-pack** is optimised to provide the correct supporting stiffness whilst accommodating the constant 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 2-pack 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. 4.0 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. 1.8 kg/litre (2 kg/litre is commonly applied to allow for wastage)
Typical water to add	approx. 12 litre per 125 kg batch of bagged product

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

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..

Storage life 6 months in dry conditions (mortar can last longer if stored in moisture free conditions)

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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