

Technical information for pavement bedding mortar SteinTec tuffbed rapid

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.

SteinTec **tuffbed rapid** 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 rapid** is optimised to provide the correct supporting stiffness whilst accommodating the constant 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

Typical compressive strength gain achieved on site:-

1 days at 20° C ca. 20 N/mm²

7 days at 20° C ca. 35 N/mm²

28 days at 20° C ca. 45 N/mm²

Bending strength ca. 6.0 N/mm²

Adhesion strength ca. 1.0 N/mm²

Adhesion strength ca. 2.0 N/mm² (when used with SteinTec **tuffbond** priming/bonding mortar)

Modulus of Elasticity ca. 14,000 – 18,000 N/mm² according to application and method

Consumption approx. 1.8 kg/litre (1.8 tonnes per m³)

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)

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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