



high performance paving mortars

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Method Statement -- high performance *tuffset G* for bedding, priming, jointing and repairs

1 A multi-purpose all-in-one product

Tuffset G is a high performance hydraulic mortar with rapid strength gain. Capable of being subjected to heavy trafficking within three hours or less, *tuffset G* is a versatile product that can be used effectively as bedding, primer and grouting, as well as being ideal for emergency repairs to modular paving, concrete and ironworks.

2 For full trafficking within three hours

The surface of any bound roadbase must be sound and free of loose material and be thoroughly cleaned and rinsed using clean water. Start the mixing machine and add **TWO** 25kg sacks of *tuffgrit* aggregate. If the aggregate is bone dry, dampen it slightly while the mixer is running. With the aggregate mixed and damp throughout, pour in the whole 25kg sack of *tuffset G*, allowing sufficient mixing time for the dry mortar to cling evenly to all of the damp *tuffgrit*.

Once an even dry-coated consistency is achieved, slowly add sufficient water – usually 1 to 2 litres – to get the desired consistency. (BS7533- 4 section 5.4.4.2. recommends that the mixed bedding mortar should achieve a 150 mm slump). Do not mix more material than will be used within about 15 minutes at an ambient 20°C .

The pavers should be coated with a layer of *tuffset G* primer and immediately pushed into position on the fresh bedding. *Tuffset G* jointing can start after a one-hour quarantine of the paving elements being placed, and the surface will be strong enough for full trafficking within three hours.

NOTE: Sometimes during the mixing process, ball-shaped clumps can begin to form. This is usually a result of the *tuffgrit* aggregate being excessively wet when the dry mortar is added. However, these clumps will break up providing the mixer is allowed run for long enough. The problem can be reduced by using a forced action mixer, which is far more thorough and effective than a traditional drum mixer, and better suited to the task.

3 For overnight trafficking

This follows the same method, but requires the addition of **THREE** 25kg sacks of *tuffgrit* aggregate, to **ONE** sack of *tuffset G*. It achieves the same strength as the 2:1 rapid strength-gain mix, but requires more time. It can be a highly cost effective solution for overnight repairs.

4 Priming

Where there is a concrete base, and early trafficking is required, a 1-2 mm thick layer of *tuffset G* prepared as priming mortar should be applied to the concrete before the mixed bedding mortar is poured on to it. The paving units should be thoroughly clean and wiped with a damp sponge, before they too have a layer of primer trowelled on to them and are laid firmly into position without delay. To prepare as priming mortar, *tuffset G* should be mixed

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