

Method Statement -- *tuffbed 2-pack* bedding mortar

1 Pedestrian and light trafficking

For pedestrian and moderate trafficking, **tuffbed 2-pack** bedding mortar can be applied to a non-concrete roadbase or a supporting structure where the depth of the paving units is not less than their width.

2 Heavy Trafficking

For very heavily trafficked locations and where paving units are 'shallow', having a depth less than their width, we recommend the provision of a concrete roadbase and the use of **tuffbond** priming mortar to enhance the adhesion bond between bedding mortar, paving units and roadbase.

2 Mixing

The surface of any bound roadbase must be sound and free of loose material and be thoroughly cleaned and rinsed using clean water. For proper consistent results, a forced action paddle mixer should always be used.

4 x 25kg bags of **tuffbed** aggregate blend, OR 100kg of loose **tuffgrit** aggregate blend is mixed with 1 x 25 kg bag of **tuffbed 2-pack** mothermix powder.

Start the mixing machine and add all 100kg of aggregate. If the aggregate is completely dry add approx 500ml of water to dampen it, before adding all 25kg of **tuffbed 2-pack** mothermix powder. When the aggregate is evenly coated with the **tuffbed 2-pack** mothermix, carefully add the remaining water. Typical volume of water to add per batch is between 5 and 9 litres, depending on the relative dampness of the aggregate and the outside air temperature. It is recommended that sufficient water is added to the bedding mortar to achieve the 150 mm slump recommended in BS7533-4. Do not mix more than will be used within approximately 40 minutes at an ambient 20°C .

3 Application

For trafficked applications, where there is a concrete base, a layer of **tuffbond** priming mortar should be applied to the concrete before the mixed bedding mortar is put in place. The coated paving units should then be laid onto the mixed bedding without delay. They should be thoroughly clean, and the underside wiped with a damp sponge, before the layer of **tuffbond** is trowelled or applied with a stiff brush, immediately before they are laid firmly into position.

After laying, the surface must be thoroughly washed with water to remove surplus mortar laying on the surface of the paving units.

3 Quarantine

The surface should be quarantined to prevent access, including pedestrian access, for at least one day to avoid disturbance and the displacement of paving units on the fresh bedding mortar.

Jointing with **tufftop** jointing mortar may be carried out on the same day as as the paving is laid, but only if it can be done so without standing on the fresh surface; only small or narrow areas should be considered.

