

## Cold Weather Guidance for tuffbau mortars

Steintec's all-natural range of high performance mortars and its unique bedding aggregate blend contain no polymers or admixtures, making them all well-suited to winter working.

**Tuffbed 2-pack mothermix** and **tuffgrit aggregate blend**, **tuffbed** pre-mixed bedding mortar, **tuffbond** adhesive priming mortar, **tufftop** slurry grouting mortar, **tuffset G** high performance multi-purpose bedding and repair mortar, and **tuffset 60** repair mortar, can all be used successfully in cold weather – as long as the following guidelines are followed:

### Temperature

**DO NOT** lay bedding or joint paving if the temperature is below 3 °C on a falling thermometer, or below 2 °C on a rising thermometer. At 3 °C, mortars take longer to harden and start to cure, although final performance is unaffected.

**tuffset G** used at 3 °C, should be allowed to harden for six hours (instead of three hours at 20 °C) before being opened to traffic.

### Frozen materials

All materials must be protected from temperatures below 2 °C for at least 24 hours before use, and a heated store for bagged material and paving is recommended. **DO NOT** use frozen materials.

If a heated tent is provided, cover the working area in order to maintain an increased ambient temperature. All materials should be stored within the heated space long enough to reach and maintain a temperature of 2 °C or above.

### Frozen Roadbase

**DO NOT** lay on a roadbase surface which has not been protected from temperatures below 2 °C for at least 24 hours.

### Protect against frost

If **tuffset G** is being used, be sure that three hours will elapse between using the mortar and the onset of frost. Where freshly-laid bedding or jointing is at risk from overnight frost, be sure to protect them with a thermal blanket – for at least 24 hours.

### Cold water

All water used for mixing mortar must be at a temperature of 2 °C or higher.

### Weather forecasting

Use weather forecasts, local knowledge and good judgement to avoid starting work in conditions that may deteriorate and so not comply with the above recommendations.

