



Irish Blue Limestone Fixing Guide No. 2

## Fixing exterior paving in a mortar bed

- ▶ **Minimum required thickness: 30 mm**
- ▶ Remove soil up to 40-50 cm below the anticipated level of the finished paving area.
- ▶ Apply a layer of crushed stone (0 – 40 mm calibre is ideal) of 15-30cm. Compact the layer using a vibratory plate compactor (+/- 75 kg).
- ▶ Add a layer of 10-15 cm of a half-dry stabilised sand mixture:
  - › **Mixture:** 10 parts sand (washed river sand) + 1 part cement, add a minimal amount of water.
  - › Set up guiding woods to follow the required surface level (paving level – 5 cm for thickness of paving).
  - › Ensure there is a slope of 15-20 mm towards the outside.
  - › Compact the mixture with a vibratory plate compactor (+/- 75 kg) and finish +/- 10 mm above the guiding woods.
  - › Finish the surface using a straight edge that is pulled
- ▶ Lay the tiles in a bedding mortar
- ▶ (4 parts sand: / 1 part cement) of 40-50 mm.
- ▶ Apply a joint of minimum 7mm, and preferably 10-15mm.
- ▶ Use stones from different packing simultaneously to achieve a uniform effect.
- ▶ After 10 days filling of the joints can begin. This must be done manually (avoid pouring liquid cement to fill joints). Add a water-repellent additive to the mortar.