

## **Q25 Slab/brick/sett/cobble pavings**

To be read with Preliminaries/ General conditions.

### **GENERAL**

- 110 NATURAL STONE SLAB PAVING SYSTEM Diamonds Sawn York Stone from Rand and Asquith - lower edge buff
- Subgrade improvement layer: Not required.
    - Compacted thickness: Not applicable.
  - Granular sub-base: Highways Agency Type 1 unbound mixture, as section Q20.
    - Compacted thickness: 75mm.
  - Base: Not required.
    - Thickness: Not required.
  - Laying course: Site mixed mortar.
    - Accessories: None.
  - Paving units: Natural stone slabs.
  - Jointing: butt jointed, washed sand brushed in.
    - Bond: as shown on drawing FR010.
  - Accessories: None.
- 160 NATURAL STONE COBBLE PAVING SYSTEM reclaimed cobbles
- Subgrade improvement layer: Not required.
    - Compacted thickness: Not applicable.
  - Granular sub-base: Highways Agency Type 1 unbound mixture, as section Q20.
    - Compacted thickness: 150 mm.
  - Base: Not required.
    - Thickness: Not required.
  - Paving units: Reclaimed natural stone cobbles.
  - Laying course and jointing: please see drawing FR003.
  - Overall nominal thickness of cobbles and bedding: please see drawing FR003.
- 365 GEOTEXTILE SHEET - below subbase
- Manufacturer: terram.
    - Product reference: terram geotextile.
  - Recycled content: Contractor's choice.

### **EXECUTION**

- 615 CONTROL SAMPLES
- Sample areas: Complete as part of the finished work.
    - Types of paving: Natural stone cobble paving.
    - Location: as part if drive.
    - Size (minimum): 1.5 x 1.5 m.
    - Included features: flagstone Edging.
  - Approval of appearance and surface: Obtain before proceeding.

#### 620 ADVERSE WEATHER

- General:
  - Temperature: Do not lay or joint paving if the temperature is below 3°C on a falling thermometer or below 1°C on a rising thermometer.
  - Frozen materials: Do not use. Do not lay bedding on frozen or frost covered bases.
- Paving with mortar joints and/ or bedding:
  - Protect from frost damage, rapid drying out and saturation until mortar has hardened.
- Paving laid and jointed in sand:
  - Stockpiled bedding sand: Protect from saturation.
  - Exposed areas of sand bedding and uncompacted areas of sand bedded paving: Protect from heavy rainfall.
  - Saturated sand bedding: Remove and replace, or allow to dry before proceeding.
  - Laying dry-sand jointed paving in damp conditions: Brush in as much jointing sand as possible. Minimize site traffic over paving. As soon as paving is dry, top up joints and complete compaction.

#### 630 LEVELS OF PAVING

- Permissible deviation from specified levels:
  - Generally:  $\pm 6$  mm.
- Height of finished paving above features:
  - At gullies: +6 to +10 mm.
  - At drainage channels and kerbs: +3 to +6 mm.

#### 635 REGULARITY OF PAVED SURFACES

- Maximum variation in gap under a 3 m straight edge placed anywhere on the surface (where appropriate in relation to the geometry of the surface):
  - Precast concrete paving blocks and clay pavers for flexible pavements: 10 mm.
  - Precast concrete flags or natural stone slabs: 3 mm.
- Difference in level between adjacent paving units (maximum): 2 mm.
- Sudden irregularities: Not permitted.

#### 637 REGULARITY OF PAVED SURFACES

- Maximum undulations in the surface of pavings (except tactile paving surfaces) under a 1 m straight edge placed anywhere on the surface (where appropriate in relation to the geometry of the surface): 3 mm.
- Joints between paving units or utility access covers:
  - Joints flush with the surface: difference in level between adjacent units to be no more than twice the joint width (with a 5 mm max difference in level).
  - Recessed, filled joints: difference in level between adjacent units to be no greater than 2 mm; the recess to be no deeper than 5 mm.
  - Unfilled joints: difference in level between adjacent units to be no greater than 2 mm.
- Sudden irregularities: Not permitted.

#### 645 PROTECTION

- Cleanliness: Keep paving clean and free from mortar droppings, oil and other materials likely to cause staining.
- Materials storage: Do not overload pavings with stacks of materials.
- Handling: Do not damage paving unit corners, arrises, or previously laid paving.
- Mortar bedded pavings: Keep free from traffic after laying:
  - Pedestrian traffic (minimum): 24 hours.
  - Vehicular traffic (minimum): 14 days.
- Access: Restrict access to paved areas to prevent damage from site traffic and plant.

## COMPLETION

- 915 COMPLETION OF PAVING WITH DRY SAND OR FINE AGGREGATE FILLED JOINTS
- Sand dressing: Leave a thin layer of dry jointing sand over the paving, sweep clean before practical completion.
  - Final compaction of the surface course: In accordance with BS 7533-3.
  - Vacuum cleaning machines: Not allowed.
- 920 COMPLETION OF GRASSED PAVINGS
- Protection: Protect from traffic for 6-8 weeks or until grass can tolerate traffic.



Grass jointed granite cobbles