

Q24 Interlocking brick/block roads/pavings**TYPES OF PAVING****110A CONVENTIONAL CONCRETE BLOCK PAVING TO ROADS**

- Subgrade improvement layer: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile: To Engineers specification.
 - Manufacturer: To Engineers specification.
 - Product reference: To Engineers specification.
- Granular sub-base: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Laying course:
 - Material: In accordance with BS 7533-3.
 - Category: II.
 - Method of screeding, in accordance with BS 7533-3: Compaction.
 - Nominal thickness after compaction: 30 mm.
- Blocks:
 - Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Tel: +44 (0)330 0574472..
 - Product reference: Tegula.
 - Sizes: 240x160mm, 80mm deep.
 - Colour: Pennant Grey.
 - Jointing:
 - Material: In accordance with BS 7533-3.
 - Joint width: 2-5 mm.
- Setting out:
 - Bond: 45° herringbone.
 - Features: Two course stretcher bond margins.

110B CONVENTIONAL CONCRETE FLAG PAVING ON PEDESTAL SYSTEM TO PODIUM PRIVATE TERRACES

- Base course: as per Engineer's /Architects Details
- Pedestal System: Marshalls MF3 installed as manufacturers instructions
- Flags:
 - Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Tel: +44 (0)330 0574472..
 - Product reference: Saxon.
 - Sizes: 400x400mm, 65mm deep.
 - Colour: Natural.
 - Jointing:
 - Open joints
 - Joint width: 2-5 mm.
- Setting out:
 - Bond: Stack.

115A PERMEABLE CONCRETE BLOCK PAVING TO FOOTPATHS

- Subgrade improvement layer: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile below granular sub-base: To Engineers specification.
- Granular sub-base: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile below laying course:
 - Manufacturer: To Engineers specification.
 - Product reference: To Engineers specification.
- Laying course:
 - Material: 2-6mm clean crushed stone to BS EN 13242.
 - Compaction: In accordance with BS 7533-3. Determine by trial the depth of loose bedding material needed to ensure specified bedding course thickness after final compaction of paving.
 - Nominal thickness after compaction: 50 mm.
- Blocks: To BS EN 1338.
 - Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Tel: +44 (0)330 0574472..
 - Product reference: Myriad Priora.
 - Sizes: 200x200mm and 200x100mm, 80mm deep.
 - Colour: 50/50 mix of Midnight and Twilight.
- Jointing:
 - Material: Single size 5 mm washed aggregate.
 - Joint width: 6 mm.
 - Conventional sand jointing: Do not use.
- Setting out:
 - Bond: Staggered random stretcher bond with double stretcher course around perimeter.

115B PERMEABLE CONCRETE BLOCK PAVING TO FOOTPATHS

- Subgrade improvement layer: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile below granular sub-base: To Engineers specification.
- Granular sub-base: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile below laying course:
 - Manufacturer: To Engineers specification.
 - Product reference: To Engineers specification.
- Laying course:
 - Material: 2-6mm clean crushed stone to BS EN 13242.
 - Compaction: In accordance with BS 7533-3. Determine by trial the depth of loose bedding material needed to ensure specified bedding course thickness after final compaction of paving.
 - Nominal thickness after compaction: 50 mm.
- Blocks: To BS EN 1338.
 - Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Tel: +44 (0)330 0574472..
 - Product reference: Tegula Priora.
 - Sizes: 240x160mm, 120x160mm and 120x120mm, 80mm deep.
 - Colour: Pennant Grey.
- Jointing:
 - Material: Single size 5 mm washed aggregate.
 - Joint width: 6 mm.
 - Conventional sand jointing: Do not use.
- Setting out:
 - Bond: Staggered random stretcher bond with double stretcher course around perimeter.

115C PERMEABLE CONCRETE BLOCK PAVING TO BUILDING ENTRANCE AREAS

- Subgrade improvement layer: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile below granular sub-base: To Engineers specification.
- Granular sub-base: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile below laying course:
 - Manufacturer: To Engineers specification.
 - Product reference: To Engineers specification.
- Laying course:
 - Material: 2-6mm clean crushed stone to BS EN 13242.
 - Compaction: In accordance with BS 7533-3. Determine by trial the depth of loose bedding material needed to ensure specified bedding course thickness after final compaction of paving.
 - Nominal thickness after compaction: 50 mm.
- Blocks: To BS EN 1338.
 - Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Tel: +44 (0)330 0574472..
 - Product reference: Myriad Priora.
 - Sizes: 200x200mm, 80mm deep.
 - Colour: Twilight.
- Jointing:
 - Material: Single size 5 mm washed aggregate.
 - Joint width: 6 mm.
 - Conventional sand jointing: Do not use.
- Setting out:
 - Bond: Staggered stretcher bond.

116 PERMEABLE CONCRETE BLOCK PAVING TO PARKING SPACES

- Subgrade improvement layer: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile below granular sub-base: To Engineers specification.
- Granular sub-base: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile below laying course:
 - Manufacturer: To Engineers specification.
 - Product reference: To Engineers specification.
- Laying course:
 - Material: 2-6mm clean crushed stone to BS EN 13242.
 - Compaction: In accordance with BS 7533-3. Determine by trial the depth of loose bedding material needed to ensure specified bedding course thickness after final compaction of paving.
 - Nominal thickness after compaction: 50 mm.
- Blocks: To BS EN 1338.
 - Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Tel: +44 (0)330 0574472..
 - Product reference: Tegula Priora.
 - Sizes: 240x160mm, 80mm deep.
 - Colour: Pennant Grey.
- Jointing:
 - Material: Single size 5 mm washed aggregate.
 - Joint width: 6 mm.
 - Conventional sand jointing: Do not use.
- Setting out:
 - Bond: 90° herringbone.

118A CONCRETE FLAG PAVING TO PRIVATE TERRACES

- Subgrade improvement layer: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile: To Engineers specification.
 - Manufacturer: To Engineers specification.
 - Product reference: To Engineers specification.
- Granular sub-base: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Laying course:
 - Material: In accordance with BS 7533-3.
 - Category: [II].
 - Method of screeding, in accordance with BS 7533-3: Compaction.
 - Nominal thickness after compaction: 30 mm.
- Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Tel: +44 (0)330 0574472..
 - Product reference: Saxon Flag Paving.
 - Sizes: 400x400mm, 50mm deep.
 - Colour: Natural.
 - Colour: [Pennant Grey].
- Jointing:
 - Material: In accordance with BS 7533-3.
 - Joint width: 2-5 mm.
- Setting out:
 - Bond: Stack.

118B PERMEABLE CONCRETE FLAG PAVING TO COMMUNAL AREAS OF THE PODIUM

- Subgrade improvement layer: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile below granular sub-base: To Engineers specification.
- Granular sub-base: To Engineers specification.
 - Compacted thickness: To Engineers specification.
- Geotextile below laying course:
 - Manufacturer: To Engineers specification.
 - Product reference: To Engineers specification.
- Laying course:
 - Material: 2-6mm clean crushed stone to BS EN 13242.
 - Compaction: In accordance with BS 7533-3. Determine by trial the depth of loose bedding material needed to ensure specified bedding course thickness after final compaction of paving.
 - Nominal thickness after compaction: 50 mm.
- Blocks: To BS EN 1338.
 - Manufacturer: Marshalls plc.
 - Web: www.marshalls.co.uk.
 - Tel: +44 (0)330 0574472..
 - Product reference: Conservation Piora Flag Paving.
 - Sizes: 600x400mm, 65mm deep.
 - Colour: Silver Grey.
- Jointing:
 - Material: Single size 5 mm washed aggregate.
 - Joint width: 6 mm.
 - Conventional sand jointing: Do not use.
- Setting out:
 - Bond: Staggered stretcher bond.

- 132 NATURAL STONE SETT PAVING WITH BOUND BASE
- Subgrade improvement layer: To Engineers specification.
 - Compacted thickness: To Engineers specification.
 - Granular sub-base: To Engineers specification.
 - Compacted thickness: To Engineers specification.
 - Base: Concrete To Engineers specification.
 - Thickness: To Engineers specification.
 - Laying course:
 - Larsen Streetscape Fine Bedding Concrete.
 - Nominal thickness after compaction: 40 mm.
 - Primer:
 - Larsen Streetscape PS to be applied to base immediately prior to application of bedding layer.
 - Larsen Streetscape PS to be applied to bottom of setts immediately prior to placing on the bedding layer.
 - Setts: To BS EN 1342.
 - Supplier: Contractor's choice.
 - Product reference: Contractor's choice.
 - Sizes: 100 x 100 x 100 mm.
 - Colour/ Finish: Silver grey.
 - Requirements: .
 - Petrographical description/ stone type: Granite.
 - Plan dimension and thickness deviation: Class 1.
 - Tolerances on undercut of sides: Class 1.
 - Tolerances on hewn and coarse textured face irregularities: Class 1.
 - Method of cutting sett sides: Diamond sawn.
 - Jointing:
 - Larsen Streetscape FJM Rapid slurry mortar
 - Joint width: 8 mm.
 - Setting out: .
 - Bond: Stack.

EXECUTION

- 211 COLOUR BANDING
- General: Unless premixed by manufacturer, select blocks/ pavers/ setts vertically from at least 3 separate packs in rotation to avoid colour banding.
- 240 ADVERSE WEATHER
- General: Do not use frozen materials or lay bedding on frozen or frost covered sub-bases.
- 452 PREPARED EXISTING AND NEW BOUND BASES (ROADBASES)
- Condition before placing laying course: Sound, clean, free from rutting or major cracking and cleared of sharp stones, projections or debris.

485 LAYING BLOCKS/ PAVERS/ SETTS

- Setting out: Start from an edge restraint.
- Cutting: Cleanly, accurately and vertically, without spalling. Do not mark or damage visible surfaces.
- Cut edges: Turn inwards where possible; do not position against edge restraints or other features.
- In situ mortar or concrete infill: Do not use.
- Compaction: Vibrate to produce thoroughly interlocked paving of even overall appearance with regular joints and accurate to line, level and profile. Do not mark or damage paving units, kerbs and adjacent work.
 - Concrete blocks and clay pavers: In accordance with BS 7533-3, Annex F, to site category required for laying course material.

495 IN SITU SURROUNDS TO OBSTRUCTIONS

- Locations: Where blocks/ pavers cannot be fitted tight up to features.
- Material: 3:1 mix of coarse aggregate and mortar in accordance with BS 7533-3, clause 5.4.3.2..
- Shape and size: Rectangular, 100 mm (minimum) all round obstruction.
- Thickness (minimum): Combined depth of blocks/ pavers/ setts and sand laying course.
- Colour: To match paving units.
- Timing: Lay and allow to cure in advance of laying blocks/ pavers/ setts.

500 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.
- Difference in level between adjacent paving units (maximum): 2 mm.
- Sudden irregularities: Not permitted.

COMPLETION**615 COMPLETION OF PAVING**

- Final compaction of the surface course: In accordance with BS 7533-3.
- Vacuum cleaning machines: Not allowed.