

Q10 Kerbs/ edgings/ channels/ paving accessories

To be read with Preliminaries/General conditions.

TYPES OF KERBS/EDGINGS AND CHANNELS

- 120 STONE EDGINGS
- Standard: To BS EN 1343.
 - Supplier: Contractor's choice.
 - Types: Rectangular.
 - Stone type: Flamed Limestone.
 - Size (width x height): 70x200mm.
 - Freeze/ Thaw resistance: Class 1 (resistant).
 - Special shapes: n/a.
 - Finish: Flamed.
 - Bedding: Cement Mortar Bedding.
 - Joints generally: Dry, 2-3 mm gap.
 - Sealant movement joints: Not required.
 - Accessories: None.
- 130 CLAY BRICK Paviours to building perimeter
- Bricks:
 - Manufacturer: Freshfield Lane Ltd..
 - Product reference: First Quality Multi Paviours laid in stretcher bond.
 - Special shapes: none.
 - Recycled content: Submit proposals.
 - Colour: As per manufacturer's specification.
 - Bedding: Proprietary.
 - Joints generally: In accordance with BS 7533-3; Joint width: 2-5 mm..
 - Sealant movement joints: None.
 - Accessories: n/a.
- 150 CONCRETE BLOCK Paving to car parking and adjacent areas
- Standard: To BS EN 1338.
 - Manufacturer: Charcon.
 - Product reference: Vianova.
 - Recycled content: 5% (minimum) to BS EN ISO 14021.
 - Size: 200x200x70mm.
 - Special shapes: Drop Kerbs where shown.
 - Finish: As cast.
 - Colour: Anthracite Charcoal.
 - Bedding: Proprietary.
 - Joints generally: In accordance with BS 7533-3; Joint width: 2-5 mm..
 - Sealant movement joints: Not required.

170 LINEAR SLOT DRAINAGE CHANNEL SYSTEMS

- Manufacturer: ACO Technologies plc.
 - Web: www.aco.co.uk.
 - Email: marketing@aco.co.uk.
 - Product reference: M100D..
- Bore: 100 mm.
- Finish: As cast.
- Colour: Natural.
- Accessories: Brickslot Channel.
- Bedding: Cement mortar.
- Joints generally: Drain unions as required.

ROADS/PAVING ACCESSORIES/MARKING/DEMARCATIION

LAYING

510 LAYING KERBS, EDGINGS AND CHANNELS

- Cutting: Neat, accurate and without spalling. Form neat junctions.
 - Long units (450 mm and over) minimum length after cutting: 300 mm.
 - Short units minimum length after cutting: The lower of one third of their original length or 50 mm.
- Bedding of units: Positioned true to line and levelled along top and front faces, in a mortar bed on accurately cast foundations or on a race of fresh concrete.
- Securing of units: After bedding has set, secured with a continuous haunching of concrete or on a race of fresh concrete with backing concrete cast monolithically.

520 ADVERSE WEATHER

- Conditions: Do not construct if the temperature is below 3°C on a falling thermometer or 1°C on a rising thermometer. Adequately protect foundations, bedding and haunching against frost and rapid drying by sun and wind.

530 CONCRETE FOR FOUNDATIONS, RACES AND HAUNCHING

- Standard: To BS 8500-2.
- Designated mix: Not less than GEN0 or Standard mix ST1.
- Workability: Very low.

540 CEMENT MORTAR BEDDING

- General: To section Z21.
- Mix (Portland cement:sand): 1:3.
 - Portland cement: Class CEM I 42.5 to BS EN 197-1.
 - Sand: to BS EN 12620, grade 0/4 or 0/2 (MP).
- Bed thickness: 12-40 mm.

545 PROPRIETARY BEDDING for Clay Paviours

- Manufacturer: Contractor's choice.
 - Product reference: Contractor's choice.
- Bed thickness: 25-30 mm.

547 BEDDING/BACKING OF UNITS ON FRESH CONCRETE RACES

- Standard: To BS 7533-6.

550 KERB DOWELS

- Dowels: Steel bar to BS 4482.
 - Size: 12 mm diameter, 150 mm long.
- Installation of dowels: Vertically into foundation while concrete is plastic.
 - Centres: To suit holes in kerbs.
 - Projection: 75 mm.
- Grouting of holes in kerbs: Filled with 1:3 cement:sand mortar finished flush.

560 HAUNCHING DOWELS

- Dowels: Steel bar to BS 4482.
 - Size: 12 mm diameter, 150 mm long.
- Installation of dowels: Vertically into foundation while concrete is plastic.
 - Centres: 450 mm.
 - Distance from back face of kerb: 50 mm.
 - Projection: 75 mm.
- Haunching: Rectangular cross section, cast against formwork, fully enclosing and protecting dowels.

570 CHANNELS

- Installation: To an even gradient, without ponding or backfall.
- Lowest points of channels: 6 mm above drainage outlets.

580 DRAINAGE CHANNEL SYSTEMS

- Installation: To an even gradient, without ponding or backfall. Commence laying from outlets.
- Silt and debris: Removed from entire system immediately before handover.
- Washing and detritus: Safely disposed without discharging into sewers or watercourses.

590 DRAINAGE CHANNEL SYSTEMS WITH BUILT IN FALL

- Installation: Top of channels level, installed in correct sequence to form an even gradient without ponding or backfall. Commence laying from outlets.
- Silt and debris: Removed from entire system immediately before handover.
- Washings and detritus: Safely disposed without discharging into sewers or watercourses.

600 RADIUS KERBS/CHANNELS

- Usage: Radii of 15 m or less.

610 ANGLE KERBS

- Usage: Internal and external 90° changes of direction.
- Cutting of mitres: Not permitted.

620 ACCURACY

- Deviations (maximum):
 - Level: ± 6 mm.
 - Horizontal and vertical alignment: 3 mm in 3 m.

625 REGULARITY OF PAVED SURFACES

- Maximum undulation of (non-tactile) paving surface: 3 mm.
 - Method of measurement: Under a 1 m straight edge placed anywhere on the surface (where appropriate in relation to the geometry of the surface).
- Difference in level between adjacent units (maximum):
 - Joints flush with the surface: Twice the joint width (with 5 mm max difference in level).
 - Recessed, filled joints: 2 mm.
 - Recess depth (maximum): 5 mm.
 - Unfilled joints: 2 mm.
- Sudden irregularities: Not permitted.

630 NARROW MORTAR JOINTS

- Jointing: Ends of units buttered with bedding mortar as laying proceeds. Joints completely filled, tightly butted and surplus mortar removed immediately.
 - Joint width: 3 mm.

640 TOOLED MORTAR JOINTS

- Jointing: Ends of units buttered with bedding mortar as laying proceeds. Joints completely filled and tooled to a neat flush profile.
 - Joint width: 6 mm.