Coherent Campus

LANDSCAPE PALETTE
STANDARD
SPECIFICATION
Introduction

The aim of this document is to provide a definitive guide to the approved palette of landscape street furniture and paving materials which are to be used in all future projects, which will enable ESS to progress towards a vision ‘to create and enhance a campus which will be a coherent, recognisable, sustainable, pedestrian-friendly and welcoming place’.
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Granite Paving

1. Appearance and General Specification

- Colour: Silver grey
- 80mm thickness x 340mm width in random lengths
- Finish: Fine picked/brush hammered
- Bond Pattern: Random Course, Stretcher Course
- Freeze/Thaw resistance class: F1
- Arrises: Bevelled 2mm
- Diagonal deviation class: D2
- Thickness deviation class: T2
- Plan dimension deviation class: P2
- Sub-base to be specified for the specific location and proposed use, subject to local site investigation. Base must be solid and robust to provide long lasting wear and tear without movement to block materials.

Uniting both appealing aesthetics and durable performance, Granite Paving is an extremely versatile product, enabling long term durability for intended applications.

2. Key Features:

- **Aesthetics**: Visually appealing with ability to enhance areas
- **Strength**: Extremely hard wearing, uniform surface
- **Durability**: Forms a hardwearing surface with an exceptionally long lifespan. Resistant to frost and weathering
- **Slip-Skid Resistance**: Uniform surface finish, offers excellent slip-skid resistance, even in wet conditions, for pedestrians.

3. Locations

Primarily limited use at change of levels

Example locations that product is currently in use

Percy Quad

4. Contact Information

Supplier suggestion:

Stonepave UK Ltd, Alma Park, Wibtoft, Lutterworth, Leics, LE17 5BE

Tel: 01455 222 288

http://www.Stonepaveuk.com/
Sandstone Paving

1. Appearance and General Specification

• Smooth sawn sandstone paving.
• Colour: Yellow/buff with various tones and shades available
• Various sizes and thickness as examples on campus
• Tight joints
• Dressed Stone

• Sub-base to be specified for the specific location and proposed use, subject to local site investigation. Base must be solid and robust to provide long lasting wear and tear without movement to block materials.

Aesthetically appealing with a natural appearance. Will enhance heritage areas and landscapes.

2. Key Features:

• **Aesthetics**: Visually attractive providing a formal surface finish to the historic areas of the campus.
• **Strength**: Hard wearing and uniform surface especially when used in level pedestrian areas.
• **Durability**: Relatively hard wearing with a resistance to weathering and low friability.

3. Locations

To be used for Heritage areas where a natural appearance is required

**Example locations that product is currently in use**

Student Forum

Old Quadrangle
4. Contact Information

Supplier suggestion: To be sourced locally

ESS Contact:
Marshall’s Tegular Concrete Sett Paving

1. **Appearance and General Specification**
   - Colour: Burnt Ochre (Charcoal used in limited areas)
   - 160 Gauge
   - 60/80mm thickness in three sizes
     - 120 x 160
     - 160 x 160
     - 240 x 160
   - Integral Spacers
   - Bond Pattern: Herringbone pattern (check with manufacturer in road traffic areas)
   - Joints to be cement bond
   - Compliant to BS EN 1338:2003.
   - Sub-base to be specified for the specific location and proposed use, subject to local site investigation. Base must be solid and robust to provide long lasting wear and tear without movement to block materials.

Uniting both appealing aesthetics and durable performance, Tegular Block Paving is an extremely versatile product, enabling the optimum surfacing solution for a broad spectrum of applications.

2. **Key Features:**
   - **Aesthetics:** Through rich colour, form and texture, it is visually appealing with ability to frame and accent the finest architecture, and to realise and enhance landscapes with a traditional or contemporary feel.
   - **Strength:** Combining the inherent strength of each individual unit with the interlock generated between blocks and the flexibility of the surface course, it creates a paved surface that allows the highest level of loading to be dissipated laterally between units and down through the sub base.
   - **Durability:** With well-established examples nationwide, concrete sett paving forms a hardwearing surface with an exceptionally long lifespan. Concrete Block Paving is resistant to frost damage, most chemicals, fuels and oils.
   - **Reinstatement:** When maintenance of underlying services are required, Tegular paving can be quickly and efficiently removed and then reinstated to provide the same surface finish prior to works – free from scars and ready for immediate traffic.
   - **Slip-Skid Resistance:** With its joint profile and surface finish, Tegular paving offers excellent slip -skid resistance, even in wet conditions, for pedestrian and vehicular traffic alike.
   - **Whole-Life Costs:** Over the design life of a pavement, concrete block paved surfaces are appreciably more cost effective than other surfacing materials. With the inherent flexibility and strength in the surface, infrequent and simple maintenance, ease of reinstatement following works, recycling capability, together with the aesthetic benefit, Tegular paving offers enhanced long term value when considering whole life cost.

3. **Locations**
   To be used for publically visible areas, service/delivery areas and pedestrian walkways.

**Example locations that product is currently in use**
Claremont
King’s Road – western end at St. Thomas Street should be used a preferred example
4. Contact Information

Manufacturer:

Supplier suggestion: Marshalls Mono Ltd,
Landscape House, Premier Way,
Lowfields Business Park, Elland HX5 9HT
Tel: 01422 312000
http://www.marshalls.co.uk/
Asphalt

1. **Appearance and General Specification**

   - Colour: Black
   - Exact specification to be provided for intended application
   - Sub-base to be specified for the specific location and proposed use, subject to local site investigation. Base must be solid and robust to provide long lasting wear and tear without movement to block materials.

   Black bitumen based surface that is hardwearing and resilient.

2. **Key Features:**
   - Hardwearing
   - Long life expectancy

3. **Locations**
   To be used for service areas as applicable

   **Example locations that product is currently in use**
   King George VI Rear Car Parks
Conservation Kerb

- Colour: Silver Grey
- Compliant to BS EN 1340:2003
- Various sizes available, including Straight, curved, dropped kerb and chamfered
- Sub-base to be specified for the specific location and proposed use, subject to local site investigation. Base must be solid and robust to provide long lasting wear and tear without movement to block materials.

2. Key Features:
   - Precision manufactured
   - Hardwearing and durable
   - 48.3% recycled material used in the product construction

3. Locations All Areas

Example locations that product is currently in use
4. Contact Information

Supplier suggestion: Marshalls Mono Ltd,
Landscape House, Premier Way,
Lowfields Business Park, Elland HX5 9HT
Tel: 01422 312000
http://www.marshalls.co.uk/
BXMW Sheffield/Harrogate Cycle Racks

1. Appearance and General Specification

   Front of house:
   • Stainless Steel
   • Root fixing, 300mm below ground
   • Various sizes available
   • Finish: Matte Satin Finish

   Back of house:
   • Galvanised Steel with appropriate finish
   • Root fixing or bolt down
   • Various sizes available

   Robust design with good life expectancy

2. Key Features:
   • Robust and durable design
   • Corrosion resistant Stainless Steel or galvanised steel with appropriate finish
   • Modern design and look
   • Cycle racks to be at 800mm centres

3. Locations

   To be used for all areas except Heritage

   Example locations that product is currently in use
   Harrogate type—Percy Quad
   Sheffield type—Medical School
Contact Information

Manufacturer:
Supplier suggestion: Broxap, Rowhurst
Industrial Estate, Chesterton,
Newcastle-under-Lyme, Staffordshire ST5 6BD
Tel: 01782 571 666
http://www.Broxap.com/
Cycle shelter

- Wardale sides + Newcastle canopy
- Appolo Junior Shelter
- Hot dipped galvanised to BS EN ISO 1461:1999
  - Color RAL 5013
  - Various sizes available

2. **Key Features:**
   - Robust and durable
   - Welded end frames from heavy duty steel section with anti tamper high strength bolts
   - Vandal resistant features
   - Clearview PET Sheeting
   - Contemporary shelter ideal for cycle secure storage allowing all round visibility.

3. **Locations**
   To be used for all areas

   **Example locations that product is currently in use**
   - Medical School

4. **Contact Information**

   Manufacturer:

   Supplier suggestion: Broxap, Rowhurst Industrial Estate, Chesterton, Newcastle-under-Lyme, Staffordshire ST5 6BD
   Tel: 01782 571 666
Marshall’s Sineu Graff Rendezvous Seating

- Cast iron or steel construction with hardwood
- Range of models available including benches and seats
- Armrest option on certain models

With its modern design and more assertive lines, the Sineu Graff Rendezvous Range features seats and benches constructed from cast iron or steel with hardwood.

2. **Key Features:**
   - Aesthetically pleasing
   - Modern design
   - Wood element adds colour and warmth, enhancing surrounding landscape
   - Robust and durable
   - Low Maintenance
   - Various models available
   - End and/or intermediate armrest options for certain models
   - Wood element sourced from sustainable resources

3. **Locations**
   To be used in all areas except Heritage Areas.

   **Example locations that product is currently in use**
   King’s Road – Eastern end
4. Contact Information

Manufacturer:

Supplier suggestion: Marshalls Mono Ltd,
Landscape House, Premier Way,
Lowfields Business Park, Elland HX5 9HT
Tel: 01422 312000
http://www.marshalls.co.uk/
Lindsey Teak Balmoral Bench

With a Classic design, the Balmoral seating range from Lindsey Teak provides a top quality range of seating to complement heritage areas within the University.

2. Key Features:
   - Aesthetically pleasing
   - Warm, traditional design
   - Wood element adds colour and warmth, enhancing surrounding landscape
   - Robust and durable
   - Good life expectancy
   - Low Maintenance
   - Various models available
   - End and/or intermediate armrest options for certain models
   - Wood element sourced from sustainable resources

3. Locations
   - Heritage Areas.
   - Example locations that product is currently in use
     - Quadrangle
     - Arches on King’s Raod

4. Contact Information
   - Manufacturer:
Supplier suggestion: Lindsey teak, Jati Ltd, Unit 6, Coulsdon North Industrial Estate, Station Approach, Coulsdon, Croydon, Surrey

CR5 2NR
Tel: 0845 6789 891
http://www.Lindseyteak.com/
Osmos S39 Planter

- 316 Grade Stainless Steel Top rim
- Treated Iroko hardwood exterior
- Galvanized steel internal box
  - Height 580—1000mm
  - Width 800—1500mm
  - Depth 800—1500mm

(For actual specification refer to the ESS Contact below)

Modern appearance with durable performance.

2. Key Features:
   - Attractive appearance
   - Sleek and distinctive design
   - Robust and durable
   - Low Maintenance
   - Wood element sourced from sustainable resource

3. Locations
   All areas except Heritage areas

   Example locations that product is currently in use
   King’s Road – eastern end

4. Contact Information

   Manufacturer:

   Supplier suggestion: Omos Ltd, U1 Military
   Road Industrial Park, Newbridge
   Road, Naas, Co. Kildare, Ireland
   Tel: 0353 4589 9802
   http://www.omos.ie
Broxap BX 2585-SSP Derby Eros Stainless Steel Litter Bin

• 2mm 304 Grade Stainless Steel
• Perforated with 240 grit grained finish
• 0.6mm galvanised steel liner
• 80 and 115 litre capacities
• Lockable
• Ash tray to those on campus perimeter

Modern, contemporary appearance with durable performance.

2. Key Features:

• Heavy duty and robust
• Ergonomically designed with contemporary style posting apertures
• Modern, attractive appearance
• Newcastle University Logo
• Large aperture enabling larger items such as pizza boxes to be accepted
• Low maintenance
• Hi Specification for increased durability and long life expectancy

3. Locations

All areas except heritage areas

Example locations that product is currently in use
To be installed in near future

4. Contact Information

Manufacturer:

Supplier suggestion:

Broxap, Rowhurst Industrial Estate, Chesterton,
Newcastle-under-Lyme, Staffordshire ST5 6BD
Tel: 01782 571 666
http://www.Broxap.com/
Broxap BX 2319 round medium Cast Iron Litter Bin

- 250 grade Cast Iron to BS EN 1561:1997
- Black finish with gold coloured LITTER lettering and banding
- Heavy Duty
- Galvanised sheet metal liner
- 90 litre capacity □□ Lockable

Classic appearance with durable performance.

2. **Key Features:**
   - Heavy duty and robust
   - Classic design
   - Newcastle University Logo
   - Large aperture enabling larger items such as pizza boxes to be accepted
   - Low maintenance
   - Hi Specification for increased durability and long life expectancy

3. **Locations** Heritage areas

   **Example locations that product is currently in use**

4. **Contact Information**

   Manufacturer:

   Supplier suggestion: Broxap, Rowhurst Industrial Estate, Chesterton, Newcastle-under-Lyme, Staffordshire ST5 6BD
   Tel: 01782 571 666
2. **Key Features:**
- Heavy duty and robust
- Vandal and corrosion resistant 1.5mm Stainless Steel
- Contemporary design
- Large capacity liners
- Internal sheet partition guarantees separation
- Low maintenance
- Clearly labelled compartments
- Newcastle University Logo
- Hi Specification for increased durability and long life expectancy

3. **Locations**
   All areas except heritage

   **Example locations that product is currently in use**
   Stephenson Building  Percy Building

4. **Contact Information**

   **Manufacturer:**

   **Supplier:** Wybone Ltd, Mason Way, Platts Common Ind. Estate, Hoyland, Barnsley, South Yorkshire, S74 9TF
Broxap BX 47 Sheffield Bollard

- Stainless Steel
- Root fixed
- Height above ground 1000mm
- 150mm Colour Visibility Band
- Various sizes available up to 204mm
  Either 2mm or 3mm gauge

Stylish range of attractive stainless steel bollards

2. Key Features:
   - Robust and durable
   - Corrosion resistant Stainless Steel
   - Matt Satin Finish
   - Colour Visibility Band—University blue (Ref: Pantone 541)
   - Flat Top Finish
   - Root fixing, 300mm below ground
   - Height above ground 1000mm
   - Product Reference BX47 0140 00

3. Locations
   All areas except heritage

Example locations that product is currently in use
4. Contact Information

Supplier suggestion: Broxap, Rowhurst Industrial Estate, Chesterton, Newcastle-under-Lyme, Staffordshire ST5 6BD
Tel: 01782 571 666
http://www.Broxap.com/
Geo Illuminated Bollards

- 316 grade Bead Blasted Stainless Steel body
- 316 grade Brushed Stainless Steel Toe Cap
  - Glass MTR Rings
  - Clear PMMA Diffuser
  - IP65 rated
- Available in various heights Available in various diameters
  - Available with various lamp options

Contemporary appearance with illumination. Hi specification to give robust and durable long term performance

2. **Key Features:**
   - Robust and durable
   - Corrosion resistant Stainless Steel
   - Contemporary design
   - Hi Specification for increased durability and long life expectancy

3. **Locations**
   All areas except heritage

   Example locations that product is currently in use

4. **Contact Information**

   Supplier suggestion:

   Woodhouose UK Ltd, Spa Park, Leamington Spa, Warwickshire CV31 3HL
   Tel: 01926 314 313
Stainless Steel Handrail

- Type 316 Stainless Steel
- Hardwood hand rail element available
- Specification to be provided for specific application

Description.

2. **Key Features:**
   - Corrosion resistant Stainless Steel
   - Contemporary look
   - Wooden element for DDA compliance
   Picture colour

3. **Locations**
   To be used for all areas

**Example locations that product is currently in use**
Stephenson Building
Percy Quad
Hadrian Centre
Manhattan Lantern

- Lamp Height 810mm
- Lamp Width 800mm
- Stainless Steel Column Mounted

Stylish and attractive Street lighting

2. Key Features:
   - Robust and durable
   - Corrosion resistant Stainless Steel column
   - Luminaire has RAL 7016 Anthracite finish
   - Medium Polycarbonate Glazing Cone
   - 70w CDM-T Lamp G12 Lampholder
   - Column 5M Abacus Stainless Steel Base Hinged Raising & Lowering 76mm top with flange plate mounting.
   - Anti-Glare Shield
   - Can be Flange plate or root mounted
   - Fold down option for easy maintenance

3. Locations
   All areas except heritage

   Example locations that product is currently in use

   King's Road
4. Contact Information

Supplier suggestion: DW Windsor
DW Windsor UK Operations Centre, Pindar Road, Hoddesdon, Hertfordshire. EN11 0DX
Tel: 01992 474 600

http://www.dwwindsor.co.uk/
Drains

Slot drains to be avoided

Channel drains are the preferred solution

Rodding points to be provided at both ends of each run, all changes of direction and a maximum length of 15m

Manhole covers

Cast iron covers with lifting rod points

No inset paving type