



a division of **broxap**

# Duracast Specification Sheet

*Duracast is an environmentally-friendly polyurethane material used for the manufacture of the following street furniture products:*

Bollards (fixed, removable, telescopic), Post and Rail Systems, Cycle Stands, Decorative Finials, Trolley Barriers, Litter Bins and Finger Posts.

## MATERIALS

### Polyurethane

Engineering Grade: A polyurethane based on castor oil polyols.

|                     |            |
|---------------------|------------|
| Hardness            | 70 Shore D |
| Tensile Strength    | >15 Mpa    |
| 25% Modulus         | >12 Mpa    |
| Ultimate Elongation | >100%      |
| Fire Rating         | Vo (UL94)  |

### Steel Core

Circular or square hollow section to British Standard BS 4848 Cold formed to CFA 1 Protected against corrosion by coating or galvanised. Sourced from 100% recycled stocks.

### Heavy Duty Coating

Primer coat of paint. High gloss finish two-part polyurethane paint RAL/BS specification offers ultimate levels of weathering, colour retention, solvent resistance, abrasion resistance and a wide range of resistance to chemicals which leads to a minimal maintenance cost.

### Rust Proof

Impact and chipping resistant with an excellent strength and durability. Does not shatter with impact yet is light weight for easy installation. Removable units weigh less than 25kg, making manual handling by a single person easier.

### Pigmenting

The standard polyurethane casting material is coloured black and is therefore ideal for items requiring a dark paint finish, however other colours can be added to the pigment to create a bollard that has a single colour running through it.

### Packaging

All items may be individually bubble-wrapped for transportation.

