

## Product Range Data Sheet

### Description

SteelAge is a superior range of the highly trending blackening style finishes formulated for external and internal use. Designed to capture the blackened steel finish through a multi-stage surface conversion process to retain an outstanding decorative finish which is highly protective and more durable than traditional chemical blackening. Excellent for architectural applications and ideally suited to public spaces and high-traffic areas due to its superior resistance to wear and tear, and with no danger of dirtying or damaging clothing or property.

#### Suitable for Architectural Metalwork

- Aluminium
- Mild Steel
- Stainless Steel
- Cast Metals
- Zinc based substrates
- Qualizinc

#### Properties & Finish Characteristics

- Excellent appearance characteristics
- Zero risk of staining clothing or paving areas
- No damage, weakening to the substrate
- Chemically stable
- Instant varied finish
- External/Internal

#### Durability & Weather Resistance Performance

- Resistance to Humidity through Condensation (Water Atmospheres) - ISO6270-2
- Weather Resistance: 1000 hours Resistance to Acetic Acid Salt Spray - ISO9227
- Natural weathering in Florida Climate for 3 years- ISO 2810
- Gloss Stability: 90% gloss retention after 1000 hours accelerated weathering - ISO16474-2

#### Fire Rating



- Tested to A2-s1, d0 on Mild Steel, Stainless Steel and Aluminium
- Where A2-s1, d0 is required please contact Bradleys for fire rated specification

#### Repair & Maintenance

- Expected Design Life of 60 years
- Simple and easy to clean with pH neutral water and soft cloth or sponge
- Site repair systems available

#### Advantages against chemical blackening

- No dangerous chemicals used for blackening
- No inconsistencies due to atmospheric conditions
- No eating into the substrate

#### Environmental

- Embodied carbon: A1-A3 (production stage) 3.70 kg CO<sub>2</sub> eq/kg
- Recyclability: Can be removed for the base material to be recycled or re-used

