Architectural Ironwork
Coatings and Colour

Patrick Baty
Paint

Any fluid material that is spread over a solid surface in order for it to dry, or harden, to produce an adherent, coherent, coloured opaque film
Grinding Paint

Pigment

Oil

Binder system
or Linseed oil

Solid particles
Some Pigments

Lamp Black

Yellow Ochre

Red Lead

White Lead

Venetian Red

Chrome Yellow

Prussian Blue
Tulip Stairs
The Queen’s House
Greenwich
1630s

Smalt
Hampton Court Palace - King’s Staircase
Jean Tijou 1700

- Smalt
- Faded Smalt
- Prussian Blue
- Coal
- Red Lead
- Lead White
- & Chalk
Hampton Court Palace
Ironsides Staircase

Jean Tijou ca.1700

Existing

Zinc Chromate
=1948+

Smalt

Prussian Blue

Faded Smalt

Smalt
Benjamin Franklin House
Craven Street 1731

Existing Black
Influenced by Theory of Smalt
Black
Venetian Red
Bronze Green
Chrome Yellow = 1820s+
Lead Colour

ca.1992
1731
Geffrye Museum
1715+

Lead Colour (with Bronze Green Doors)
88 Sloane Street ca.1790

Stone Colour

54 schemes applied ca.1790-2012 (average 4.11 yrs)
Bronze and Brunswick Greens
BS381C: 1931

No. 222  Light Bronze Green
No. 223  Middle Bronze Green
No. 224  Deep Bronze Green

No. 225  Light Brunswick Green
No. 226  Mid. Brunswick Green
No. 227  Deep Brunswick Green
Hammersmith Bridge
1887

Onslow Square
1865

Bronze Green
Hermon Chapel, Oswestry  
1862-63

Bronze Green
Brunswick Green
(turns blue under UV)
Mary Stevens Park
Stourbridge
1931

Brunswick Greens
Foreign Office
1868
Venetian Red
Holborn Viaduct
1869
Red
Holborn Viaduct
Presentation Watercolour – London Metropolitan Archives
Tower Bridge
1894
Painted 14 times over 97 years
average appx 7.5 yearly
1) Black tended to be slow-drying
2) Introduction of Alkyd Resins changed this
3) However the War delayed widespread use
4) Became common from ca.1960
Blackout Precautions

Duke of York Steps 1946
White-Painted Hinge & Lock Stiles

Painting Kerbstones 1939
St James’s Palace
Stable Yard Gates
St James’s Palace
Stable Yard Gates

Weathered Black

Zinc Chromate
=1948+

Same

4x Whites
33 Belgrave Square
1830s

Painted 27 times over 175 years
average appx 6.5 yearly

A Typical Sequence

1960+

ca.1939-1954

ca.1900

ca.1830
Royal Albert Bridge: Devon – Cornwall
1859
1861 – 2\textsuperscript{nd} scheme (cost £1,767 3s 3d)

Royal Albert Bridge

Pale Stone Colour
The Anatomy of Colour
For more information on what I do:

www.colourman.com