

Subject: Proposed Steelwork Paint Colour Further Analysis - Project C-0520_MSV Block B

In response to the esteemed Planning Authority's comments received via email on 20 July 2023, we have undertaken a supplementary analysis to establish a correlation between the paint analysis of the existing historical paint layers on the cast iron/steelwork and the newly proposed color.

Kindly refer to the subsequent email correspondences provided below, which outline the proposal for the application of Thermoguard intumescent paint in the shade "57 Calm Marine" with a Light Reflectance Value (LRV) of 51.

Your attention to these findings is greatly appreciated as we strive to ensure adherence to the project's specifications and maintain the historical integrity of the structure. Should you require any further information or clarifications, we remain at your disposal.

Sincerely,

Equilibrium Architects

Paolo

From: Natasha Mc Gann <natasha.mcgann@dwellstudent.co.uk>
Sent: 24 July 2023 11:42
To: Paolo
Cc: Eddie Wright; jon@jonbirdassociates.co.uk
Subject: MSV B Paint Analysis
Attachments: MSV B Paint analysis.docx

Follow Up Flag: Follow up
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Hi Paolo,

A sample bolt was sent to Inspiratech for analysis, the results indicated that there were several layers of paint, a majority of layers indicated that titanium dioxide white pigment was present. Titanium Dioxide is used to lighten a paint as much as possible to almost white. This indicates that the columns were originally painted white or nearly white. We were under the impression painting the columns white was not an option, therefore did not proceed with specifying an off-white Colour.

The paint analysis also indicated that Layer 1 'the material' is most likely wrought iron, therefore we made a colour link with the original material 'wrought iron'.

Due to the fact we are restricted to intumescent paint, we are very limited as to what colours we can specify, and have attempted match as far as reasonably possible.

I have attached the Thermoguard options.

Kind Regards

Natasha



Thermoguard colour options



57 Calm Marine (LRV 51)



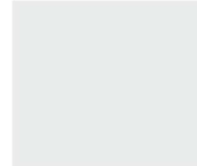
67 Mermaid (LRV 40)



68 Marlin (LRV 28)



1 Dimple White (LRV 91)



8 Minty Haze (LRV 84)



47 Mountain Blue (LRV 49)

The below image is from a bracket that been painted at some point in the past. This is how we reached the decision on specifying 'Calm Marine'.



57 Calm Marine (LRV 51)

Paolo

From: Lee Cunningham <Lee.cunningham@mbcbuilding.co.uk>
Sent: 31 July 2023 10:38
To: Paolo
Cc: Eddie Wright; Natasha Mc Gann
Subject: Fwd: Report on painted nut

Hi All

Please see below with regards paint analysis received this morning

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From: Andrew Cole <andrew.cole@inspiratech.co.uk>
Sent: Monday, 31 July 2023, 10:17
To: Lee.Cunningham@mbcbuilding.co.uk
Subject: Report on painted nut

Hi Lee, We've had a look at the colours of the paint layers. Beneath the intumescent layer, there is rust and two metal primer layers. The intumescent layer is white due to the presence of titanium dioxide white pigment. The subsequent three layers are all white or off-white, again due to the presence of titanium dioxide. Best Regards,
Andrew Cole. Inspiratech 2000 Ltd. Tel 01788 522792