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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1.** **GENERAL** **DATA** | | | | | | | | | | | | | | | | | | | |
| Project | | Wager Up BESS Project | | | | | Works | | | | BESS & PCS footing | | | | | | | | |
| FIC No: | |  | | | | | Description | | | | BESS & PCS footing anchor plate touch-up coating | | | | | | | | |
| Revision | | Rev 0 | | | | | Area/Location/  Dwg. Reference: | | | |  | | | | | | | | |
| Date: | |  | | | | |
| **2.** **SPECIFICATION** | | | | | | | | | | | | | | | | | | | |
| **Coat:** | **Product:** | | | | | | | | | **Colour:** | | | | | | **DFT (μm , Min-Max):** | | | |
| 1 | Surface preparation – Bristle blast the damaged areas to achieve a profile of 50-75um and feather the  surrounding sound galv up to 50mm | | | | | | | | | n/a | | | | | | n/a | | | |
| 2 | Apply the Interzinc 52 @ 75um | | | | | | | | | Grey | | | | | | 75 (total) | | | |
| 3 | Apply the Interplus 1180 @ 200um (if applying by brush or roller this can be done in  multiple coats) | | | | | | | | | Grey | | | | | | 200 (100 for each coat) | | | |
| **3.** **SURFACE PREPARATION** | | | | | | | | | | | | | | | | | | | |
| **Item** **No.:** | **Item** **Description:** | | | | | | | | | | | | **Verified**  **(Y/N/NA):** | | | | **Initial** **&** **Date:** | | |
| 3.1 | Does visual standard of surface preparation comply with specified requirements? | | | | | | | | | | | |  | | | |  | | |
| **4. COATING APPLICATION** | | | | | | | | | | | | | | | | | | | |
| **Coat**  **No.:** | | | **Application Date:** | | **Batch**  **No.:** | **%**  **RH** | | **Ambient Temp(ºC)** | **Steel**  **Temp(ºC)** | | | **Dew**  **Point(ºC)** | | | **Wet Film Thickness**  **(μm)** | | | | **Checked**  **By:** |
| 1 | | |  | |  |  | |  | >10  Comply to ASTM D3276 | | |  | | |  | | | |  |
| 2 | | |  | |  |  | |  |  | | |  | | | |  |
| 3 | | |  | |  |  | |  |  | | |  | | | |  |
| 4 | | |  | |  |  | |  |  | | |  | | | |  |
| 5 | | |  | |  |  | |  |  | | |  | | | |  |
| 6 | | |  | |  |  | |  |  | | |  | | | |  |
| 7 | | |  | |  |  | |  |  | | |  | | | |  |
| 8 | | |  | |  |  | |  |  | | |  | | | |  |
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| 10 | | |  | |  |  | |  |  | | |  | | | |  |
| 11 | | |  | |  |  | |  |  | | |  | | | |  |
| 12 | | |  | |  |  | |  |  | | |  | | | |  |
| 13 | | |  | |  |  | |  |  | | |  | | | |  |
| 14 | | |  | |  |  | |  |  | | |  | | | |  |
| 15 | | |  | |  |  | |  |  | | |  | | | |  |
| 16 | | |  | |  |  | |  |  | | |  | | | |  |
| 17 | | |  | |  |  | |  |  | | |  | | | |  |
| 18 | | |  | |  |  | |  |  | | |  | | | |  |
| **5.** **FIC** **-** **SPECIFIC** **CHECK** **ITEMS** | | | | | | | | | | | | | | | | | |  | |
| **Item** **No.:** | | **Item** **Description:** | | | | | | | | | | | | **Verified**  **(Y/N/NA):** | | | | **Initial** **&** **Date:** | |
| 5.1 | | Ambient conditions (steel temp, air temp, % RH, dew point) complies? | | | | | | | | | | | |  | | | |  | |
| 5.2 | | Application method complies to manufacturer’s recommendations? | | | | | | | | | | | |  | | | |  | |
| 5.3 | | Recoat intervals complies to manufacturer’s recommendations? | | | | | | | | | | | |  | | | |  | |
| 5.4 | | Colour complies to specifications? | | | | | | | | | | | |  | | | |  | |
| 5.5 | | Dry film thickness/Wet film thickness complies to specifications? | | | | | | | | | | | |  | | | |  | |
| 5.6 | | Final appearance (runs, overspray, uniformity, etc.) acceptable? | | | | | | | | | | | |  | | | |  | |
| **3.** **FIC** **-** **COMMENTS** | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | |
| **ACCEPTED** **BY** | | | | **Subcontractor**  **REPRESENTATIVE** | | | **SEPDS REPRESENTATIVE** | | | | | | | **PRINCIPAL** **REPRESENTATIVE** | | | | | |
| **Name:** | | | |  | | |  | | | | | | |  | | | | | |
| **Sign:** | | | |  | | |  | | | | | | |  | | | | | |
| **Date:** | | | |  | | |  | | | | | | |  | | | | | |

Appendix 1: SEPDS -TQ-021 BESS & PCS Anchor Plate Touch Up Painting Procedure

Appendix 2: Products used for coating works

|  |  |  |  |
| --- | --- | --- | --- |
| **Step** | **Product** | **Batch No.** | **Photos** |
| Surface preparation | Dulux Metalshield Cold Galv thinner | 965-H0012 |  |
| Primer | Dulux Metalshield Cold galv | 812-87306 |  |
| Finish Coat | Luxathane MPX Part A, Luxathane MPX Part B | SK10977- MPX Part A,  34738- MPX Part B |  |

Appendix 3: Records for coating works

|  |  |  |  |
| --- | --- | --- | --- |
| **Step** | **Product** | **Description** | **Photos** |
| Surface preparation | Dulux Metalshield Cold Galv thinner | Sand and clean the surface of the plates |  |
| Primer | Dulux Metalshield Cold galv | Apply 3 coats of primer with 30min interval to achieve total DFT 50μm |  |
| Finish Coat | Mixture of Luxathane MPX Part A, Luxathane MPX Part B | MPX Part A &  MPX Part B with 1:4 mixing ratio, 3 coats with 150WFT for each coat. The total DFT shall be no less than 24050μm |  |