

INSPECTION AND TEST PLAN

Work Pack: .....



APPLICATION OF PROTECTIVE COATINGS

Contractor: SRG Global      Prepared:      Reviewed:      Approved:      Date: 23/06/2026      Contract No.: Com-514      By: S.Bryant      By:      By:

Customer: Covalent      Reason for Revision: For Issue

Description: Train 1 Stack Flange      Location: Train 1

SENA

| LEGEND of INSPECTION POINTS                                                                                                                     |                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| H                                                                                                                                               | Hold Point (Formally notify client supplier cannot proceed without written notification from the customer). |
| R/A                                                                                                                                             | Review Documents and Accept.                                                                                |
| W                                                                                                                                               | Witness (Formally notify client who has option to attend or waive).                                         |
| S                                                                                                                                               | Surveillance. (Witness at random, no Formal Notification Required).                                         |
| R                                                                                                                                               | Records                                                                                                     |
| SRG                                                                                                                                             | SRG Global                                                                                                  |
| <b>Legend of Responsibility:</b>                                                                                                                |                                                                                                             |
| C: C                                                                                                                                            | Factor<br>Quality Control                                                                                   |
| P: Production                                                                                                                                   |                                                                                                             |
| E: Engineer                                                                                                                                     |                                                                                                             |
| SP: Supervisor                                                                                                                                  |                                                                                                             |
| <b>Customer Specifications:</b><br>Covalent Protective Coatings Specification<br>H361294-00000-230-242-0001 Rev 6,<br>Appendix B, System 21     |                                                                                                             |
| <b>Relevant Applicable Codes and Specifications:</b><br>Specification Of Surface Protection                                                     |                                                                                                             |
| <b>Reference Code's &amp; Standards:</b><br>AS1627.4 -2002<br>AS1627.1 -2003:<br>AS3894.3- 2002<br>AS3894.5- 2002<br>AS3894.10- 2002            |                                                                                                             |
| ISO 8504-1:2000                                                                                                                                 |                                                                                                             |
| <b>SRG Work Instructions:</b><br>AST-WKI-0011<br>AST-WKI-0013<br>COVALENT PROTECTIVE COATINGS<br>SPECIFICATION H361294-00000-230-242-0001 REV 6 |                                                                                                             |
| <b>SRG Approved Forms:</b><br>AST-FFRM-0045<br>AST-FFRM-0045<br>AST-FFRM-0044                                                                   |                                                                                                             |
| Preparation of steel substrates before application of paints and related products - Surface preparation methods Part 1: General principles      |                                                                                                             |
| Surface Preparation<br>protective Coatings Application<br>Quality Management System                                                             |                                                                                                             |
| Coatings Report<br>Ambient Conditions Record<br>Surface Preparation Report                                                                      |                                                                                                             |

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Manufacturer's documentation:  
International Paints      Interbond 1202UPC Technical Data Sheet

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| Resp                                       | Description of Activity                              | Procedure/Specification Number                                              | Procedure/Specification Description                                 | Acceptance Criteria                                                                                                                                                                                                                            | Inspection Points<br>(Sign & Date) |        |             |            | Verifying Document     |
|--------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------|-------------|------------|------------------------|
|                                            |                                                      |                                                                             |                                                                     |                                                                                                                                                                                                                                                | SR<br>G                            | Client | Sign/ date  | Sign/ date |                        |
| A. PRELIMINARY ACTIVITIES                  |                                                      |                                                                             |                                                                     |                                                                                                                                                                                                                                                |                                    |        |             |            |                        |
| QC                                         | A1. Develop ITP                                      |                                                                             | Supplier/Contractor Quality Requirements                            |                                                                                                                                                                                                                                                | H<br>23/06                         | R/A    | DT<br>23.06 | BA         | Inspection & Test Plan |
| P                                          | A2. Coating material storage                         | Product Data Sheet                                                          | Product Data Sheet instructions                                     | Coating Materials shall be stored in manufacturer's unopened containers, shall be clearly marked, and shall be kept covered, clean, protected and kept to specified cool dry storage temperatures. Containers shall not be damaged or leaking. | S                                  | S      | DT<br>23.06 | BA         | Product Data Sheets    |
| QC                                         | A3. Check product batch identification / expiry date | COVALENT PROTECTIVE COATINGS SPECIFICATION H361294-00000-230-242-0001 REV 6 | Quality Management System Manufacturers Batch Certificate or labels | Record product / Batch Numbers as required by QC Department. Shelf life not to be exceeded. Product rotation system in use.                                                                                                                    | S<br>&<br>R                        | H      | DT<br>23.06 | BA         | Coatings Report        |
| B. PAINTING EQUIPMENT AND INSPECTION TOOLS |                                                      |                                                                             |                                                                     |                                                                                                                                                                                                                                                |                                    |        |             |            |                        |

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|                   |                                                                                                                               |                                                                                                                                   |                                                                                                      |                                                                                                                                                                       |       |     |                      |             |                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|----------------------|-------------|---------------------------------|
| QC                | B1. Check calibration of Inspection Equipment                                                                                 | System-21<br>AS3894.3-2002<br>AS3894.10-2002<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6 | Equipment Data Sheet / Operation Manual<br>Quality Management System                                 | All instruments used in inspection activities shall be supplied by the Subcontractor in proper working order and be within a 12month calibration period prior to use. | S & R | R/A | 23.06<br>[Signature] | [Signature] | Current Calibration Certificate |
| C. PRE-INSPECTION |                                                                                                                               |                                                                                                                                   |                                                                                                      |                                                                                                                                                                       |       |     |                      |             |                                 |
| P&QC              | C1. General surface condition and scope by Visual inspection to identify areas to be surface prepared for coating application | System-21<br>AS1627.1-2003<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6                   | Client Specification for Protective Coating Systems<br>Solvent Cleaning<br>Quality Management System | All surfaces are to be relatively smooth, without sharp edges, welds free of undercut weld slag and spatter. All visible oil and grease shall be removed per AS1627.1 | S & R | S   | 23.06<br>[Signature] | [Signature] | Surface Preparation Report      |

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|                      |                                                        |                                                                                                                  |                                                                                    |                                                                                                                                                                                                                        |       |   |                      |             |                           |
|----------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|----------------------|-------------|---------------------------|
| D. ABRASIVE BLASTING |                                                        |                                                                                                                  |                                                                                    |                                                                                                                                                                                                                        |       |   |                      |             |                           |
| QC                   | D1. Check weather conditions and substrate temperature | System-21<br>AS3894.10-2002<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6 | Dry Grit Blasting<br>Testing Environmental Conditions<br>Quality Management System | Blasting shall not be performed when the ambient or substrate temperature is less than 3°C above the dew point temperature and when relative humidity is above 85%. Steel temperature must be under 50°C and over 5°C. | S & R | S | 23.06<br>[Signature] | [Signature] | Ambient Conditions report |
| P                    | D2. Blasting Abrasives                                 | Product Data Sheet<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6          | Dry Grit Blasting<br>Quality Management System                                     | Premium Garnet shall be free of dust, dirt and other foreign matter and shall be kept dry at all times.<br>Abrasive / compressed air velocity should be modified to suit the specified profile range.                  | S     | S | 23.06<br>[Signature] | [Signature] | Product Data Sheet        |

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|    |                                                                            |                                                                                                                                                            |                                                                                                                      |                                                                                                                                                                                                                                 |       |   |       |  |                                                       |
|----|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|-------|--|-------------------------------------------------------|
| QC | D3. Blasting surface shall be confirming the degree of surface cleanliness | System-21<br>AS1627.4 -2005<br>Blast Standard<br>(ISO 8501 -1 SA 2.5)<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6 | Client Specification for Protective Coating Systems<br>Dry Grit Blasting<br><br>Quality Management System            | Blast Standard (ISO 8501 -1 SA 2.5)<br><br>All blast cleaned surfaces shall be inspected for proper cleaning prior to painting.<br><br>Specified visual standard for confirming the degree of surface cleanliness shall be met. | H & R | S | 21.06 |  | Surface Preparation Report                            |
| QC | D4. Check the surface anchor profile                                       | System-21<br>AS3894.5- 2002<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6                                           | Client Specification for Protective Coating Systems<br>Determination of surface profile<br>Quality Management System | Anchor profile measured in accordance with AS 3894.5 Method 5                                                                                                                                                                   | H & R | S | 21.06 |  | Surface Preparation Report<br>Visual with Lloyd H. 44 |
| QC | D5. Visually inspect Surface to be coated after blasting                   | System-21<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6                                                             | Client Specification for Protective Coating Systems<br>Quality Management System                                     | Visual inspection. Surface to be clean and free of dust                                                                                                                                                                         | H & R | S | 21.06 |  | Surface Preparation Report                            |

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### E. PAINT MIXING AND APPLICATION

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|      |    |                                                   |                                                                                                                                                  |                                                                                                                                                            |                                                                                                                                                                                                                                                                 |       |   |              |           |                           |
|------|----|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|--------------|-----------|---------------------------|
| QC   | E1 | Check weather condition, temperature and humidity | System-21<br>AS3894.10- 2002<br><br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6                            | Client Specification for Protective Coating Systems<br>Daily surface and ambient conditions<br><br>Quality Management System                               | Paint shall NOT be applied when the ambient, substrate or coating material temp is above 50°C or below 5°C<br><br>When the ambient or substrate temp is less than 3°C above the dew point.<br><br>During strong wind or gusty conditions.<br>During rain or fog | S & R | S | <i>23x06</i> | <i>SB</i> | Ambient Conditions report |
| P&QC | E2 | Paint mixing and thinning                         | System-21<br><br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6<br><br>Interbond 1202UPC Technical Data Sheet | Client Specification for Protective Coating Systems<br>Quality Management System<br><br>Interbond 1202UPC Technical Data Sheet: Mixing of Materials        | Manufacturer's mixing and thinning data for specified coating system<br><br>Paint System Spec Ref: System 21<br><br>Interbond 1202UPC                                                                                                                           | S     | S | <i>23x06</i> | <i>SB</i> |                           |
| P&QC | E3 | Check pot life                                    | System-21<br><br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>Interbond 1202UPC<br>Technical Data Sheet:                                        | Client Specification for Protective Coating Systems<br>System<br>H36120Quality Management System<br><br>Interbond 1202UPC<br>Technical Data Sheet Pot Life | Pot life data from specified coating system according to Manufacturers Data sheet<br>System 21<br>94-00000-230-242-0001 REV 6<br><br>Interbond 1202UPC<br>Technical Data Sheet                                                                                  | S     | S | <i>23x06</i> | <i>SB</i> |                           |
| QC   | E4 | Paint application                                 | System-21<br><br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6                                               | Client Specification for Protective Coating Systems<br>System 21<br>Quality Management System                                                              | Application by Conventional<br>Paint shall be applied prior to any flash rusting or surface contamination occurring and within 4 hours of completion of surface preparation.                                                                                    | S & R | S | <i>23x06</i> | <i>SB</i> | Coatings Report           |

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|------|----|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|--------------------|--------------------|---------------------|
| P    | E5 | Apply Primer coat        | System-21<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6                                                             | Client Specification for Protective Coating Systems Quality Management System<br>Application by Conventional | Interbond 1202UPC<br>Specified DFT range<br>125 µm per coat                                                                                                                                                                                                                     | S&<br>R | S | <i>[Signature]</i> | <i>[Signature]</i> | Coatings Report     |
| P    | E6 | Check wet film thickness | System-21<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6                                                             | Client Specification for Protective Coating Systems Quality Management System<br>Thickness Testing (WFT)     | Wet film thickness shall be checked during application to assure the specified DFT is met.<br><br>WFT: 250 µm                                                                                                                                                                   | S&<br>R | S | <i>[Signature]</i> | <i>[Signature]</i> | Coatings Report     |
| P&QC | E7 | Check dry film thickness | System-21<br>AS3894.3- 2002<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6<br>Interbond 1202UPC Technical Data Sheet | Client Specification for Protective Coating Systems Thickness Testing (DFT)<br>Quality Management System     | Specified DFT range<br>125 µm per coat<br><br>DFT to be determined in accordance with AS 3894.3 using a gauge that has been properly calibrated.<br><br>DFT Measured 5 Point readings per 10m2<br>Min single reading per 125µm coat: 100 µm<br>Minimum Average readings: 125 µm | S&<br>R | S | <i>[Signature]</i> | <i>[Signature]</i> | Coatings Report     |
| P&QC | E8 | Apply Intermediate       | System-21<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6                                                             | Client Specification for Protective Coating Systems Quality Management System<br>Application by Conventional | Interbond 1202UPC<br>Specified DFT range: 125 µm per coat                                                                                                                                                                                                                       | S&<br>R | S | <i>[Signature]</i> | <i>[Signature]</i> | Coatings Report     |
| P&QC | E9 | Check wet film thickness | System-21<br>COVALENT PROTECTIVE COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6                                                             | Client Specification for Protective Coating Systems Quality Management System<br>Thickness Testing (WFT)     | Wet film thickness shall be checked during application to assure the specified DFT is met.<br><br>WFT:250 µm per coat                                                                                                                                                           | S&<br>R | S | <i>[Signature]</i> | <i>[Signature]</i> | Coatings Report N/A |

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|      |                              |                                                                             |                                                                                                                |                                                                                                                                               |     |   |  |  |  |                     |
|------|------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|---|--|--|--|---------------------|
| P&QC | E10 Check dry film thickness | System-21<br>AS3894.3-2002<br>COVALENT PROTECTIVE<br>COATINGS SPECIFICATION | Client Specification for<br>Protective Coating Systems<br>Thickness Testing (DFT)<br>Quality Management System | Specified DFT range =< 250 µm<br><br>DFT to be determined in accordance with<br>AS 3894.3 using a gauge that has been<br>properly calibrated. | S&R | H |  |  |  | Coatings Report N/A |
|------|------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|---|--|--|--|---------------------|

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|------|-------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------|---|--|--|----------------------------|
|      |                   | H361294-00000-230-242-0001<br>REV 6<br>International Paints Technical<br>Data Sheet               |                                                                                                                                                           | DFT Measured 5 Point readings per 10m2<br>Min single reading for 250µm coat: 200<br>µm<br>Minimum Average readings: 250 µm |         |   |  |  |                            |
| P&QC | E11 Paint Repairs | System-21<br>COVALENT PROTECTIVE<br>COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6 | Client Specification for<br>Protective Coating Systems<br>Quality Management System<br><br>Application by<br>Brush, Roller<br><br>Thickness Testing (DFT) | The coating used for repair shall be the<br>same as original and have the same DFT.                                        | S&<br>R | S |  |  | Coatings Report<br><br>N/A |
|      |                   | AS3894.3- 2002                                                                                    |                                                                                                                                                           |                                                                                                                            |         |   |  |  |                            |

## F. FINAL INSPECTION

|      |                            |                                                                                                   |                                                                                                                                  |                                                                                                                                                                                                                         |     |     |  |  |  |                 |
|------|----------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|--|--|--|-----------------|
| P&QC | F1 Final visual inspection | System-21<br>COVALENT PROTECTIVE<br>COATINGS SPECIFICATION<br>H361294-00000-230-242-0001<br>REV 6 | Client Specification for<br>Protective Coating Systems<br>Quality Management System<br><br>Product Data Sheet Curing<br>schedule | The coated surfaces have uniform<br>appearance.<br><br>Total applied quantity is within the specified<br>range.<br>Specified DFT range =< 250 µm<br><br>Repairs have been properly made and the<br>coatings have cured. | S&R | R/A |  |  |  | Coatings Report |
|------|----------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|--|--|--|-----------------|



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Rev:

| G. DOCUMENTATION |                                        |                                                                             |                                           |                                             |       |     |                                                                           |
|------------------|----------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------|-------|-----|---------------------------------------------------------------------------|
|                  | All forms and reports signed and dated | COVALENT PROTECTIVE COATINGS SPECIFICATION H361294-00000-230-242-0001 REV 6 | Quality Management System                 | Progressively compile reports               | R/A   | R/A | Surface Preparation Report<br>Coatings Report<br>Ambient Conditions repor |
| QC               | G1.                                    |                                                                             |                                           |                                             |       |     |                                                                           |
|                  | G2. Compile MDR (where required)       | COVALENT PROTECTIVE COATINGS SPECIFICATION H361294-00000-230-242-0001 REV 6 | Supplier / Contractor Quality Requirement | MDR to be compiled as per Project MDR Index | H&R/A | R/A | SRG MDR Index                                                             |
| QC               |                                        |                                                                             |                                           |                                             |       |     |                                                                           |

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