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|  | | | **CoA-Two-Line-Stacked-Mono-JPG 27mm** |
| Annexure MRTS85A.1 | | |
| **Repainting Existing Steel Bridges and New Steel Bridges Zinc Metal Systems** | | |
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| **Specific Contract Requirements** | | |
|  | | |
| **Contract Number** | |  |  |
|  | | | |
| Note: | Clause references within brackets in this Annexure refer to Clauses in the parent Technical Specification MRTS85A unless otherwise noted. | | |

| Scope of Work (Clause 6.1) The scope of the work to be undertaken under the Contract is as follows. | |
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| Location of Waste (Clause 8.3) The waste storage site for red lead shall be as follows. | |
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| Supplementary Requirements (Clause 12) The following supplementary requirements shall apply. | |
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# FULL COAT SYSTEMS ON STEELWORK – 30 YEAR DESIGN LIFE (Clause 6.8.1)

Preliminary Cleaning:

All surface contamination shall be removed by specified methods prior to surface preparation.

Surface Preparation:

The cleaned surface shall be dry abrasive blast cleaned with clean fresh garnet to a minimum of Class 2½ finish in accordance with AS 1627.4 with a surface profile of Rz 50-70 µm when measured using replicate tape in accordance with AS 3894.5.

The above shall be read in conjunction with Clause 6 of the MRTS85A.1 specification.

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| COATING SYSTEM:  Single pack zinc rich coating system  Ref: ISO 12944.6: C5I-High and C5M-High | APPLICATION METHOD | FULL  OR  SPOT  COAT | NO. OF PACKS & RATIO | FILM THICKNESS µm  (Microns) | | WEIGHT SOLIDS  VOLUME  SOLIDS  % | INDICATIVE COVERAGE @ GIVEN DFT | THINNER TYPES | | INDICATIVE POT LIFE AT 25ºC (HOURS) | INDICATIVE RECOAT TIME  @ 25º C | |
| WET | DRY | REDUCER | CLEANUP | Min | Max |
| First Coat:  Zinga Liquid Galvanising | Spray  Brush  (Stripe coat) | Full | Single | 155 | 90 | W/S  80%  V/S  58% | 1.8 m²/Kg | ZingaSolv  N/A | ZingaSolv  ZingaSolv | N/A | 1  Hour | No Limit |
| Finish Coat:  Zinga Liquid Galvanising | Spray | Full | Single | 155 | 90 | W/S  80%  V/S  58% | 2.4 m²/Kg | ZingaSolv | ZingaSolv | N/A | 1  Hour | No Limit |

General notes and comments: Chloride ion (salts) levels on the surface shall be tested immediately prior to coating application and shall not exceed 40 mg/m² when tested in accordance with AS 3894.6. The cleaned surface shall be completely free of surface contaminants, with no visible surface moisture, and shall be painted within 4 hours and before flash rusting exceeds “medium”. All edges shall have a minimum radius of 2 mm. All welds, bolts, rivets, holes and sharp edges shall be stripe coated by brush before the first coat. Compromising the preliminary cleaning and surface preparation may result in less than expected performance and even coating failure in extreme cases.

# RECOAT ON ZINGA LIQUID GALVANIZING – 30 YEAR DESIGN LIFE (Clause 6.8.2)

Preliminary Cleaning:

All surface contamination shall be removed by specified methods prior to surface preparation.

Surface Preparation to Spot Repairs where Corrosion is Present:

The cleaned surface of spot repair areas shall be dry abrasive blast cleaned with clean fresh garnet to a minimum of Class 2½ finish in accordance with AS 1627.4 with a surface profile of Rz 50-70 µm when measured using replicate tape in accordance with AS 3894.5. An MBX Bristle Blaster may be used to substitute abrasive blasting.

The above shall be read in conjunction with Clause 6 of the MRTS85A.1 specification.

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| COATING SYSTEM:  Single pack zinc rich coating system | APPLICATION METHOD | FULL  OR  SPOT  COAT | NO. OF PACKS & RATIO | FILM THICKNESS  µm (microns) | | WEIGHT  SOLIDS  VOLUME  SOLIDS  % | INDICATIVE  COVERAGE @ GIVEN DFT | THINNER TYPES | | INDICATIVE  POT LIFE @ 25º C (HOURS) | INDICATIVE RECOAT TIME @ 25º C | |
| WET | DRY |  | REDUCER | CLEANUP | Min | Max |
| Spot Repair Coat only:  Zinga Liquid Galvanising  Finish Coat:  Zinga Liquid Galvanising | Spray  Brush  (stripe coat)  Spray | Spot  Full | Single  Single | 103  155 | 60  90 | W/S  80%  V/S  58% | 2.4 m²/Kg  2.4 m²/Kg | ZingaSolv  N/A  ZingaSolv | ZingaSolv  ZingaSolv  ZingaSolv | N/A  N/A | 1  Hour  1  Hour | No  Limit  No  Limit |

General notes and comments: Chloride ion (salts) levels on the surface shall be tested immediately prior to coating application and shall not exceed 40 mg/m² when tested in accordance with AS 3894.6. The cleaned surface shall be completely free of surface contaminants, with no visible surface moisture, and shall be painted within 4 hours and before flash rusting exceeds “medium”. All edges shall have a minimum radius of 2 mm. All welds, bolts, rivets, holes and sharp edges shall be stripe coated by brush before the first coat. Compromising the preliminary cleaning and surface preparation may result in less than expected performance and even coating failure in extreme cases.

# Full Coat Systems On Steelwork – 15 Year Design Life (Clause 6.8.3)

Preliminary Cleaning: All surface contamination shall be removed by specified methods prior to surface preparation.

Surface Preparation: The cleaned surface shall be dry abrasive blast cleaned with clean fresh garnet to a minimum of Class 2½ finish in accordance with AS 1627.4 with a surface profile of Rz 50-70 µm when measured using replicate tape in accordance with AS 3894.5.

The above shall be read in conjunction with Clause 6 of the MRTS85A.1 specification.

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| COATING SYSTEM:  Single pack semi-gloss system offering a range of colours. | APPLICATION METHOD | FULL  OR  SPOT  COAT | NO. OF PACKS & RATIO | FILM THICKNESS  (microns) | | WEIGHT  SOLIDS  VOLUME  SOLIDS  % | INDICATIVE  COVERAGE @ GIVEN DFT | THINNER TYPES | | INDICATIVE  POT LIFE @ 25º C (HOURS) | INDICATIVE RECOAT TIME @ 25º C | |
| WET | DRY |  | REDUCER | CLEANUP | Min | Max |
| First Coat:  Zinga Liquid Galvanising | Spray  Brush  (stripe coat) | Full | Single | 103 | 60 | W/S  80%  V/S  58% | 2.4 m²/Kg | ZingaSolv  N/A | ZingaSolv  ZingaSolv | N/A | 8  Hours | No  Limit |
| Intermediate Coat:  Acryltop (mist coat/full coat) | Spray  Brush  (stripe coat) | Full | Single | 140 | 60 | W/S  56%  V/S  43% | 7 m²/ltr | ZingaSolv  N/A | ZingaSolv  ZingaSolv | N/A | 6  Hours | No  Limit |
| **Finish Coat:**  Acryltop | Spray | Full | Single | 140 | 60 | W/S  56%  V/S  43% | 7 m²/ltr | ZingaSolv | ZingaSolv | N/A | 6  Hours | No  Limit |

General notes and comments: Chloride ion (salts) levels on the surface shall be tested immediately prior to coating application and shall not exceed 40 mg/m² when tested in accordance with AS 3894.6. The cleaned bare steel surface shall be completely free of surface contaminants, with no visible surface moisture, and shall be painted within 4 hours and before flash rusting exceeds “medium”. All edges shall have a minimum radius of 2 mm. All welds, bolts, rivets, holes and sharp edges shall be stripe coated by brush before the first coat. The intermediate and finish coats shall be applied to a clean dry surface. Compromising the preliminary cleaning and surface preparation may result in less than expected performance and even coating failure in extreme cases.

# RECoat Systems On Steelwork – 15 Year Design Life (Clause 6.8.4)

Preliminary Cleaning: All surface contamination shall be removed by specified methods prior to surface preparation.

Surface Preparation: The cleaned surface shall be dry abrasive blast cleaned with clean fresh garnet to a minimum of Class 2½ finish in accordance with AS 1627.4 with a surface profile of Rz 50-70 µm when measured using replicate tape in accordance with AS 3894.5.

The above shall be read in conjunction with Clause 6 of the MRTS85A.1 specification.

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| COATING SYSTEM:  Single pack semi-gloss system offering a range of colours. | APPLICATION METHOD | FULL  OR  SPOT  COAT | NO. OF PACKS & RATIO | FILM THICKNESS  (microns) | | WEIGHT  SOLIDS  VOLUME  SOLIDS  % | INDICATIVE  COVERAGE @ GIVEN DFT | THINNER TYPES | | INDICATIVE  POT LIFE @ 25º C (HOURS) | INDICATIVE RECOAT TIME @ 25º C | |
| WET | DRY |  | REDUCER | CLEANUP | Min | Max |
| **First coat (Intermediate Coat):**  Acryltop (mist coat/full coat) | Spray  Brush  (stripe coat) | Full  Spot | Single | 140 | 60 | W/S  56%  V/S  43% | 7 m²/ltr | ZingaSolv  N/A | ZingaSolv  ZingaSolv | N/A | 6  Hours | No  Limit |
| **Finish Coat:**  Acryltop | Spray | Full  Spot | Single | 140 | 60 | W/S  56%  V/S  43% | 7 m²/ltr | ZingaSolv | ZingaSolv | N/A | 6  Hours | No  Limit |

General notes and comments: Chloride ion (salts) levels on the surface shall be tested immediately prior to coating application and shall not exceed 40 mg/m² when tested in accordance with AS 3894.6. The cleaned bare steel surface shall be completely free of surface contaminants, with no visible surface moisture, and shall be painted within 4 hours and before flash rusting exceeds “medium”. All edges shall have a minimum radius of 2 mm. All welds, bolts, rivets, holes and sharp edges shall be stripe coated by brush before the first coat. The intermediate and finish coats shall be applied to a clean dry surface. Compromising the preliminary cleaning and surface preparation may result in less than expected performance and even coating failure in extreme cases.