

TECHNICAL SPECIFICATIONS

PROJECT TITLE : **Repair, Derusting and Repainting of Roof Frame at Passenger's Arrival Area Buidling, Port of Lipata**

SCOPE OF WORKS :

The work includes the furnishing of all labor, materials, and equipment required for to the Repair, Derusting and Repainting of Roof Frame at Passenger's Arrival Area Buidling, Port of Lipata and all appurtenances necessary to complete the work as shown on the drawings and as provided in this specifications

GENERAL REQUIREMENT

All works incidental to the completion of the above-mentioned major of work items shall be part of the scope of work. During the execution of the work, the Project – In – Charge shall see to it that port operations and office works shall not be affected and the area must be free of dirt and debris at all times.

SURFACE PREPARATION AND PAINTING FINISH

1. Fresh water wash to remove all dirt and salt contamination
2. Degrease according to SSPC-SP 1 solvent cleaning.
3. Exposed steel and corrosion should be hand prepared by wire brushing, power tool cleaning, dry blasting or hydroblasting
4. Feather or chip back surrounding area to a sound edge
5. Ensure the area is clean dry prior to application
6. When spraying large areas it is recommended that a brush coat is applied to any pitted or rough surfaces prior to a full spray coat to ensure full coverage
7. Use paint with a hard wearing surface tolerant 2-pack epoxy primer./finish with a high build anti-corrosive primer /finish for the protection of steel or concrete in aggressive condition, compatible with most substrates, high build-complete corrosion protection in one coat.

Properties:

Finish/Sheen	Semi-gloss(ISO 2813:1978)
Volume Solids	65% (ISO 3233:1998)
Typical Thickness	100-150 microns dry
Method of Application	Airless Spray , Brush , Roller

8. Apply a two component acrylic polyurethane coating by air spray, brush or roller.. This should be applied over a recommended anti-corrosive coating scheme and must be applied within the overcoating intervals with the following properties:

Gloss Level	High Gloss
Volume Solids	57% \pm 3%
Typical Thickness	2-3 mils (50-75 microns) dry equivalent to 3.5-5.3 mils (88-132 microns) wet
Method of Application	Airless Spray, Air Spray, Brush, Roller

- Level of sheen and surface finish is dependent on application method. Avoid using a mixture of application methods whenever possible. Best results in terms of gloss and appearance will always be obtained by conventional air spray application.
- For brush and roller application, and in some colors, two coats of acrylic polyurethane may be required to give uniform coverage, especially when applying acrylic polyurethane over dark undercoats, and when using certain lead free bright colors such as yellows and oranges. Best practice is to use a color compatible intermediate or anti-corrosive coating under the acrylic polyurethane.
- When overcoating after weathering, or aging, ensure the coating is fully cleaned to remove all surface contamination such as oil, grease, salt crystals and traffic fumes, before application of a further coat of acrylic polyurethane

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