
PART 1 - GENERAL

- 1.1 Related Work .1 Refer to other Specification Sections for related information.
- .2 Section 01 33 00 - Submissions / Shop Drawings.
- 1.2 Reference Standards .1 CGSB 1-P-48M, Primer, Marine, for Steel.
- .2 CGSB 1.198, Cementitious Primer for Galvanized Surfaces.
- .3 CGSB 1-GP-59M, Enamel, Exterior, Gloss, Alkyd Type.
- .4 CGSB 1.138, Exterior Latex Type, Flat Paint.
- .5 SSPC SP-2, Hand Tool Clean (Society for Protective Coatings).
- .6 Paint Manufacturer's technical literature.
- 1.3 Submissions .1 Product Data: Provide manufacturers product data and full application instructions for each product.
- .2 Methodology: Submit methodology for carrying out the work.
- 1.4 Measurement for Payment .1 This item shall not be measured separately but shall be considered incidental to the Work in accordance with Section 01 29 00 - Project Particulars and Measurement.

PART 2 - PRODUCTS

- 2.1 Materials .1 Paint:
- .1 Paint primer: Cleats shall be primed to manufacturers specifications and to CGSB 1-GP-48M, where applicable. Primer for galvanized items shall conform to CGSB 1.198.

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- .2 Oil based paint: To CGSB 1-GP-59M, marine paint. Cleats to receive finish coat of red coloured marine paint, unless noted otherwise or advised otherwise by the *Departmental Representative*.

PART 3 - EXECUTION

3.1 Preparation of Surfaces

- .1 Preparation of surfaces:
 - .1 Clean surfaces to be painted by removing curing compounds, rust, loose mill scale, welding slag, dirt, oil, grease and other foreign substances in accordance with the paint manufacturer's instructions. Hard tool cleaning per SSPC-SP-2. Sandblast surfaces as required.
 - .2 Do not apply paint until prepared surfaces have been accepted by the *Departmental Representative*.

3.2 Protection of Surfaces

- .1 Protect surfaces not to be painted. If damaged, clean and restore such surfaces as directed by the *Departmental Representative*.
- .2 Apply primer, paint, or pre-treatment as soon as possible after surface has been cleaned and before deterioration of surface occurs.
- .3 If rusting occurs after completion of surface preparation, clean surfaces again.
- .4 Prevent contamination of cleaned surfaces by salts, acids, alkalis, other corrosive chemicals, grease, oil and solvents before prime coat is applied and between applications of remaining coats of paint. Remove contaminants from surface and apply paint immediately.

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- .5 Protect cleaned and freshly painted surfaces from excessive dust.
- 3.3 Mixing Paint
- .1 Do not dilute or thin paint for brush application, use as received from manufacturer.
- .2 Mix ingredients in container before use and ensure breaking up of lumps, complete dispersion of settled pigment, and a uniform composition.
- .3 Mix paint often enough during application to keep pigment in suspension and composition uniform.
- .4 Do not mix or keep paint in suspension by means of air bubbling through paint.
- 3.4 Applying Paint
- .1 Apply paint by brushing, spraying or a combination of both. Use sheepskins or daubers only when no other method is practical, in areas with difficult access.
- .2 Use dip-coating method of application only when specifically authorized by *Departmental Representative* in writing.
- .3 Where surface to be painted is not under cover or ideal conditions, do not apply paint when:
- .1 Air temperature is below 5°C or when temperature is expected to drop below 5°C before paint has dried.
- .2 Temperature of surface is over 50°C unless paint is specifically formulated for application at high temperatures.
- .3 Fog or mist occurs at site, it is raining or snowing, there is a possibility of rain or snow or if the relative humidity is above 85%, or if any of these are forecasted.

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- .4 Surface to be painted is wet, damp or frosted.
- .5 Previous coats are not dry.

- .4 When paint must be applied in damp or cold weather, apply paint under cover. Protect, shelter or heat surface and surrounding air to comply with temperature and humidity conditions specified by product manufacturer. Protect until paint is dry or until weather conditions permit removal of protection.

- .5 Permit drying of applied paint which has been exposed to freezing, excess humidity, rain, snow or condensation. If paint coating is damaged, remove paint from area, prepare surface again and repaint same as undamaged areas.

- .6 Apply each coat of paint as a continuous film or uniform thickness. Repaint thin spots or bare areas before next coat of paint is applied.

- .7 Brush application:
 - .1 Work paint into cracks, crevices, corners and places which are not adequately accessible by brush using spray, daubers or sheepskins.
 - .2 Brush out runs and sags.
 - .3 Do not leave visible brush marks in finished paint surfaces.
 - .4 Remove runs and sags from finished work and repaint.

- .8 Spray application:
 - .1 Provide and maintain equipment that is suitable for intended purpose, capable of properly atomizing paint to be applied and equipped with suitable pressure regulators and gauges.

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- .2 Provide traps or separators to remove oil and water from compressed air and drain periodically during operations.
- .3 Keep paint ingredients properly mixed in spray pots or containers during paint application either by continuous mechanical agitation or by intermittent agitation, as frequently as necessary.
- .4 Apply paint in a uniform layer, overlapping at edges of spray pattern.
- .5 immediately brush out all runs and sags.
- .6 When repainting existing structures primer coats may be sprayed on steel, providing spray is followed immediately by brushing.
- .7 Use brushes to work paint into cracks, crevices, corners and places which are not adequately painted by spray. In areas not accessible to spray gun, use brushes, daubers or sheepskins.