lakes, etc. This containment shall be accomplished with tarps, plywood or other shields. If brush is used, more that one coat may be necessary to produce the required thickness.

C. Application Approval

The beginning of the application of each of the different coats shall be subject to inspection and approval to detect any defects which might result from the Contractor's methods. If defects are discovered, the Contractor shall make all necessary adjustments to his or her method of application to eliminate them before proceeding with coating application.

D. Temperature

Paint shall not be applied when the temperature of the air, steel, or paint is below 10° C (50° F) (use of heaters is prohibited). Paint shall not be applied when the steel surface temperature is expected to drop below 10° C (50° F) before the paint has cured for the minimum times specified below:

	10° C (50° F)	16° C (60° F)	21° C (70° F)
Intermediate	6 hrs.	5 hrs.	4 hrs.
Finish	8 hrs.	6 hrs.	4 hrs.

E. Moisture

Paint shall not be applied during rain, fog, mist, or when the steel surface temperature is less than 3° C (5° F) above the dew point. Paint shall not be applied to wet or damp surfaces or on frosted or ice-coated surface. Paint shall not be applied when the relative humidity is greater than 85%. Paint shall not be applied during rain, fog or mist unless the above moisture criteria is met.

F. Intermediate and Finish Coat Application (QCP #5 & 6)

Each coat of paint shall be in a proper state of cure or dryness before the application of succeeding coats. Paint shall be considered ready for over coating when an additional coat can be applied without the development of any detrimental film irregularities, such as lifting, wrinkling or loss of adhesion of the undercoat. The time interval between coating applications shall be in compliance with manufacturer's written instructions and no more than 13 days between the intermediate and finish coats. Any coat which has cured more than the above allotted time without over coating, shall be removed and the steel reblasted to Sa 2 ½.

The compliance date (month and year) of the finish coat and the letters IZEU shall be stenciled on the steel in 100 mm (4") letters with a black urethane paint. This information shall be applied at 4 locations near the end of each outside beam on the outside web visible from the road or as directed by the Engineer.

G. Repair Procedures

Damaged areas of paint shall have the paint removed and all defects corrected. If the primer is damaged, the steel should then be retextured to a near white condition to produce a profile of between 40 to 90 mm (1.5 to 3.5 mils). This profile should be measured immediately prior to the application of the prime coat to insure that the profile is not destroyed during the feathering procedure.

The existing paint should be feathered to expose a minimum of 13 mm (½") of each coat.

During the reapplication of the paint, care shall be used to insure that each coat of paint is applied only within the following areas. The prime coat shall only be applied to the surface of the bare steel and the existing prime coat which has been exposed by feathering. The prime coat shall not be applied to the adjacent intermediate coat. The intermediate coat shall only be applied to the new prime coat and the existing feathered intermediate coat. The intermediate coat shall only be applied to the new intermediate coat and the existing finish coat which has been feathered or lightly sanded. The finish coat should not extend beyond the areas which have been feathered or slightly sanded.

At the perimeter of the repair area, the first two coats shall be applied by brush. The finish coat shall be applied by either brush or spray.

It may be necessary to make several applications in order to achieve the proper thickness for each coat.

During the application of the prime coat, the paint shall be continuously mixed. The prime coat shall be a prequalified organic zinc as per SS 910.

All surface preparation and painting shall be done in accordance with the specifications. Surface preparation shall be by power tools, steel grit or low dusting abrasive.

All repair shall be made in a manner to blend the patched area with the adjacent coating. The finished surface of the patched area shall leave a smooth, even profile with the adjacent surface.

The Contractor shall submit his or her method of correcting runs in writing to the Director for approval.

H. Continuity

Each coat of paint shall be applied as a continuous film of uniform thickness free of all defects such as holidays, runs, sags, etc.. All thin spots or areas missed shall be repainted and permitted to dry before the next coat of paint is applied.

I. Dry Film Thickness

Prime thickness, cumulative prime and intermediate thickness, intermediate, and finish thickness shall be determined by use of a Type 2 magnetic gage in accordance with the following: