

Steelgrip Application Notes

Steelgrip products are manufactured by the Steelgrip Corporation. The test was applied to an area on the downstream waterline area of a tainter gate with an approximate test area of 16.7 m² (180 ft²). For the test application the Rock Island District Corps of Engineers maintenance crew abrasive blasted the surface and applied the coating using airless spray equipment with a 619 tip. Blasting was done using Ottawa silica sand abrasive to produce a surface profile of 50-75 microns (2-2.5 mils). The surface met the requirements of SSPC SP5 White Metal Blast.

The primer, Steelgrip LS 3406, was applied on Thursday. The surface was prepared by mid morning and the application completed by noon. Ambient temperature was approximately 27° C (81° F). The 2 components of the paint were mixed and applied according to manufacturer's instructions without difficulty. No thinning was necessary; induction time was 80 minutes. On the following day the topcoat, Steelgrip Supercoat, was applied. The application completed by noon. Ambient temperature was approximately 27° C (81° F). The 2 components of the paint were mixed and applied according to manufacturer's instructions without difficulty. Primer thickness was 96-140 microns (3.8-5.5 mils). Total system thickness was 200-380 microns (7.75-15 mils). With most measurements in the 250-300 microns (10-12mils) range. The test area cured in air for 8 days prior to immersion.