Tnemec 394 PerimePrime Public Bid Short Form Specification

2.2 PRIMER

A. Primer: Aromatic Polyurethane Mio/Zinc –filled Primer conforming to the following performance criteria:
   1. Slip Critical Primer conforming to AISC static fatigue Class B
   2. Compatible with spray-on fireproofing at 18, 25, and 40+ pounds density fireproofing and must pass UL 263/ASTM E119 for use under Monokote and Isolatek materials. Also meets the ambient bond requirements for use in dry conditions in accordance with ASTM E736 and is compatible with Intumescent fireproofing coatings.
   3. Adhesion (ASTM D4541): No less than 1150 PSI
   4. Impact (ASTM D 2794): No visible cracking or delamination of film after 160 inch-pounds direct and indirect impact.
   5. Humidity (ASTM 4585): No blistering, cracking, or delamination of the film as well as no more than 1% rusting on the plane after 5000 hours exposure.
   6. Salt Spray (ASTM B117): No cracks, delamination, with no more than 3% rusting on the plane and no more than 1/64th inch creepage from the scribe after 10,250 hours exposure.
   7. Can be applied over SSPC-SP 3/7 or 6.

2.3 SHOP PRIMING

A. Shop prime steel surfaces, except the following:
   1. Surfaces embedded in concrete or mortar; extend priming of partially embedded members to a depth of 2".
   2. Surfaces to be field welded.
   3. Galvanized surfaces.

B. Surface Preparation: Clean surfaces to be painted. Remove loose rust, loose mill scale, and spatter, slag, or flux deposits. Prepare surfaces according to SSPC specifications as follows:
   1. SSPC-SP 3 "Power Tool Cleaning" or SSPC-SP 7 Brush Off Blasting

C. Priming: Immediately after surface preparation, apply primer according to manufacturer's instructions and at rate recommended by SSPC to provide a dry film thickness between 2.5-3.5 mils DFT. Use priming methods that result in full coverage of joints, corners, edges, and exposed surfaces.
   1. Stripe Coat paint corners, crevices, bolts, welds, and sharp edges.
   2. Apply 2 coats of shop paint to inaccessible surfaces after assembly or erection.
   3. Apply 1 coat of Tnemec Series 46-465 primer for embedded materials complying with SSPC's "Painting System Guide No. 7.00" to provide a dry film thickness of not less than 8.0-10.0 mils DFT.

2.4 MANUFACTURERS

A. Tnemec Company, Axalta, Jotun and Hempel

Specifier Note: This product guide specification is written according to the Construction Specifications Institute (CSI) Format, including *Master Format*, *Section Format*, and *Page Format*, contained in the CSI *Manual of Practice.*

The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the drawings.

Delete all "Specifier Notes" when editing this section.

Specifier Notes: This section covers Tnemec high-performance coating systems for commercial facilities.

This specification is only a guide listing various coating system options for various environments and should not be used as a final specification. Additional coating systems not listed in this specification are available, and may be more appropriate for your coating application. To finalize this specification, please contact www.rightergroup.com

Most coatings specified contain organic solvents. Consult Righter Group for compliance to local VOC regulations.

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