

Tnemec General Structural Steel Coatings Schedule

STRUCTURAL STEEL PROTECTIVE COATINGS

1.0 STANDARD STEEL - COATING SYSTEMS

Standard shop Primer shall conform to the following performance criteria; Tnemec Series 394 is used as standard of quality and performance.

Performance Criteria:	One coat primer at 2.5-3.5 mils DFT.
Adhesion ASTM 4541:	Requirement- Not less than 1150 psi
Fire Proofing/Compatibility ASTM E736:	Requirement- Must meet ambient bond for Monokote MK-6, 2106 and 2146, Isolatak Blazeshield II and Cafco 300.
Humidity ASTM 4585:	Requirement- No more than one (1%) percent rust after 5000 hours exposure.
Impact ASTM-D 2794:	Requirement- No visible cracking or delamination after 160 lbs. inches direct impact.
UL 263 ASTM E 119:	Requirement- Must pass two (2) hour UL classified for use under WR Grace Monokote MK65/H4. Isolatak Blazeshield fire resistant materials.
Salt Spray ASTM B117:	Requirement- No more than 3% rust or plane. No more than 1/64" creepage at scribe after 10,250 hours.
Class B slip criteria:	SSPC-SP3 Power Tool Cleaning. Must meet slip coefficient of .056.
SENRAC Complaint	Meets SENRAC OSHA; ASTM F1679 and ASTM F1677.

2.0 ARCHITECTURALLY EXPOSED STEEL

System #1

(Two coats in shop system.)

Primer:	Tnemec 90G-1K97 or H90-97 Tneme-Zinc. Apply at 2.5-3.5 mils DFT.
Epoxy Intermediate: (Field finish may be required)	Tnemec 27 Typoxy or N69F Hi-Build Epoxoline Apply at 4.0-6.0 mils DFT.

System #2

(Three coat shop applied system)

Primer:	Tnemec 90G-1K97 or H90-97 Tneme-Zinc. Applied at 2.5-3.5 mils DFT.
Epoxy Intermediate:	Tnemec 27 Typoxy or N69 Hi-Build Epoxoline. Applied at 4.0-6.0 mils DFT.
Urethane Topcoat:	Tnemec 73 Endura-Shield. Applied at 2.5-3.0 mils DFT.

END OF SECTION

Specifier Notes: This product selection guide 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 schedule 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 schedule are available, and may be more appropriate for your coating application. To finalize this coatings schedule, please contact www.rightergroup.com

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

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November 2009