



HIGH-PERFORMANCE COATINGS AND LININGS

Short-Form System Reference Guide — Interior and Exterior Architectural

READER'S NOTE

Use this guide to quickly select an architectural coating system by substrate, exposure, and service condition. It is a selection reference for architects, engineers, facilities/asset managers, and project teams; it is not a bid-ready specification.

For bid or construction documents, use the companion CSI 3-part specification, Section 09 96 00 - High-Performance Coatings, or contact ACC for project-specific guidance.

Prepared as a service by: Atlantic Coating Consultants | Wally Bates | atlantic@tnemec.com | 484-644-5303

OVERVIEW

1. Purpose

This guide summarizes commonly used architectural interior and exterior coating systems for concrete/CMU, structural and miscellaneous metals, concrete ceilings, glazed tile, wood, PVC, stucco, metal panels, doors/frames, pedestrian decks, sealers and related building surfaces. Systems are organized by substrate and exposure so they can be used across institutional, municipal, commercial, and similar facilities.

2. How to Use This Guide

- Start with the Quick Locator Index if you know the substrate or building component. Click the applicable system to jump to its schedule.
- If you know the substrate and exposure, go directly to the system tables and match the Condition and Typical Locations.
- Use Surface Preparation, Coat Schedule, and Total Build for budgeting, work-order planning, and contractor pricing.
- Contact ACC to confirm project-specific exposure, existing coating condition, color/gloss, aesthetics, or full CSI specification requirements.

3. Basis of Design

Products scheduled herein are manufactured by Tnemec Company, Inc. (with select exterior metal-panel-roof and water-repellent systems by Tex-Cote LLC, noted where used) and are listed as the basis of design for the performance, appearance, and warranty characteristics described.

4. Not Covered in This Guide

Typical Locations are intentionally broad so the guide can be used across building types. Resinous flooring systems are in the companion Short-Form System Reference Guide — Resinous Flooring. Facility-specific process systems are maintained in the separate ACC water and wastewater references.

5. General Application & Warranty Notes

- Follow the current manufacturer product data sheet for substrate, ambient, dew-point, humidity, ventilation, surface-profile, and application requirements.
- Verify dry film thickness during and after application. For decorative, reinforced, or resinous systems, consider a mock-up or field sample before full-scale application.
- Concrete/CMU surface-profile requirements vary by system; confirm the specified ICRI CSP and verify surface preparation before full-scale work.
- Confirm optional topcoats, alternate finishes, color, and gloss selections with the Owner/Architect before ordering or



application.

- Warranty terms vary by system and project; contact ACC or the manufacturer to confirm applicable coverage, including exterior metal-panel color/gloss warranty options.

QUICK LOCATOR INDEX

Find a system by substrate or building component. Click a system to jump to its full schedule entry. Confirm project-specific conditions before final selection.

System Group	Applicable System
INTERIOR SYSTEMS	
CMU / CONCRETE WALLS	New or Uncoated CMU — Light Architectural Duty New or Uncoated CMU — Moderate Duty, Water Based New or Uncoated CMU — Moderate Duty, Solvent Based New or Uncoated CMU — Moderate/Heavy Duty, Water Based w/ Urethane Finish New or Uncoated CMU — Moderate/Heavy Duty, 100% Solids Epoxy w/ Urethane Finish New or Uncoated CMU — Moderate/Heavy Duty, Chemical Resistant New or Uncoated CMU — Heavy Duty / Washdown, 100% Solids Reinforced New or Uncoated Concrete — Light Duty New or Uncoated Concrete — Moderate Duty, Water Based New or Uncoated Concrete — Moderate Duty, Solvent Based New or Uncoated Concrete — Moderate/Heavy Duty, Water Based w/ Urethane Finish New or Uncoated Concrete — Moderate/Heavy Duty, 100% Solids Epoxy w/ Urethane Finish New or Uncoated Concrete — Moderate/Heavy Duty, Chemical Resistant Previously Painted CMU/Concrete — Light Duty Previously Painted CMU/Concrete — Moderate Duty, Water Based Previously Painted CMU/Concrete — Moderate Duty, Solvent Based Previously Painted CMU/Concrete — Moderate/Heavy Duty, Water Based w/ Urethane Finish Previously Painted CMU/Concrete — Moderate/Heavy Duty, 100% Solids Epoxy w/ Urethane Finish Previously Painted CMU/Concrete — Moderate/Heavy Duty, Chemical Resistant
STRUCTURAL STEEL	New or Uncoated Steel — Moderate Duty, Solvent Based Epoxy New or Uncoated Steel — Moderate Duty, Solvent Based Epoxy w/ Urethane Finish New or Uncoated Steel — Heavy Duty, Chemical Resistant Epoxy New or Uncoated Steel — Overhead Structural Steel / Joists / Deck, Dry-Fall Previously Painted Steel — Moderate Duty, Solvent Based Epoxy Finish Previously Painted Steel — Moderate Duty, Solvent Based Epoxy w/ Urethane Finish Previously Painted Steel — Heavy Duty, Chemical Resistant Epoxy Previously Painted Steel — Overhead Structural Steel / Joists / Deck, Dry-Fall



STEEL RAILINGS & HANDRAILS	New or Uncoated Steel — Light Architectural Duty Previously Painted Steel — Light Architectural Duty Previously Painted Steel — Hollow Metal Doors, Frames, Railings — Light Architectural Duty Previously Painted Steel — Hollow Metal Doors, Frames, Railings — Moderate/Heavy Duty
GALVANIZED STEEL & ALUMINUM — INTERIOR	New or Uncoated Steel — Galvanized Steel, Epoxy Finish New or Uncoated Steel — Galvanized Steel, Urethane Finish New or Uncoated Steel — Galvanized Steel, Light Architectural Duty Previously Painted Steel — Galvanized Steel, Epoxy Finish Previously Painted Steel — Galvanized Steel, Urethane Finish Interior Aluminum and Non-Ferrous Metal
CONCRETE PLANK CEILINGS	Dry-Fall, High-Moisture / Natatorium Ceilings Flexible / Mildew-Resistant Ceilings (Locker Rooms)
GYPSUM BOARD	<i>Gypsum board systems are not covered in this guide; contact ACC for a project-specific recommendation.</i>
GLAZED TILE	Light/Moderate Duty Moderate/Heavy Duty, Epoxy w/ Urethane Finish Shower / Wet Walls
WOOD (BARE OR PREVIOUSLY PAINTED)	Wood — Bare or Previously Painted
PVC	PVC Pipe, Trim and Plastic Components Insulated Pipe Jacketing (Canvas / PVC Jacket)
EXTERIOR SYSTEMS	
STRUCTURAL / ARCHITECTURALLY EXPOSED STEEL	New or Full Coating Removal — Zinc / Epoxy / Urethane (Good) New or Full Coating Removal — Zinc / Epoxy / Urethane / Fluoropolymer (Best — Extended UV & Color Retention) Overcoat — Epoxy Mastic / Urethane (Good) Overcoat — Epoxy Mastic / Urethane / Fluoropolymer (Best)
STEEL RAILINGS — EXTERIOR	New or Full Coating Removal — Zinc / Epoxy / Urethane (Good) New or Full Coating Removal — Zinc / Epoxy / Urethane / Fluoropolymer (Best — Extended UV & Color Retention) Hollow Metal Doors, Frames, Railings — Light Architectural Duty Hollow Metal Doors, Frames, Railings — Moderate/Heavy Duty

System Group	Applicable System — Click to Jump
GALVANIZED STEEL — EXTERIOR	New or Full Coating Removal, Urethane Finish (Good) New or Full Coating Removal, Fluoropolymer Finish (Best) Previously Coated Galvanized, Overcoat
ALUMINUM — EXTERIOR	General
CMU / CONCRETE WALLS — ELASTOMERIC / CRACK-BRIDGING	Uncoated — Elastomeric / Crack-Bridging, Smooth Finish Uncoated — Elastomeric / Crack-Bridging, Sand Textured Finish Previously Painted — Elastomeric / Crack-Bridging Recoat
CMU / CONCRETE WALLS — BREATHABLE COATING SYSTEM	Uncoated — Series 156 Enviro-Crete, Smooth Finish Uncoated — Series 156/157 Enviro-Crete, Sand Textured Finish Previously Painted — Series 156 Enviro-Crete Recoat Stucco — Series 156 Enviro-Crete
STUCCO	Uncoated or Previously Painted
WOOD — EXTERIOR	Bare or Previously Painted
METAL PANEL ROOFS & WALLS — BEST (15-YEAR COLOR & GLOSS WARRANTY)	Best — 15-Year Color and Gloss
METAL PANEL ROOFS & WALLS — GOOD (7-YEAR COLOR & GLOSS WARRANTY)	Good — 7-Year Color and Gloss
HOLLOW METAL DOORS AND FRAMES — EXTERIOR	Hollow Metal Doors, Frames, Railings — Light Architectural Duty Hollow Metal Doors, Frames, Railings — Moderate/Heavy Duty
PEDESTRIAN DECK COATING (NON-VEHICULAR)	General Waterproofing, Broadcast Exposed Concrete Stairs and Elevated Decks, Mesh-Reinforced
WATER REPELLENTS & SEALERS	Penetrating Silane/Siloxane Water Repellent Anti-Graffiti (Sacrificial / Non-Sacrificial)
RESINOUS FLOORING	
EPOXY BROADCAST SYSTEMS	<i>Epoxy broadcast floor systems (100% solids and water-based) are in the companion Short-Form System Reference Guide — Resinous Flooring (Section 09 67 23).</i>
URETHANE CEMENT SYSTEMS	<i>Urethane cement floor systems are in the companion Short-Form System Reference Guide — Resinous Flooring (Section 09 67 23).</i>
REINFORCED WATERPROOF DECK COATING	<i>The reinforced waterproof deck coating is in the companion Short-Form System Reference Guide — Resinous Flooring (Section 09 67 23).</i>
SPECIALTY SYSTEMS	
THERMAL-BREAK COATINGS	Aerogel Thermal-Break Coating at Steel Envelope Penetrations

ARCHITECTURAL INTERIOR & EXTERIOR COATING SYSTEMS

Includes interior systems for CMU, concrete, ceilings, steel, galvanized and non-ferrous metal, glazed tile, wood and PVC; exterior systems for masonry, stucco, steel, galvanized, aluminum, doors and frames, metal panels, wood, pedestrian decks and sealers; and specialty systems. Based on Section 09 96 00.

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
INTERIOR SYSTEMS				
C1 — NEW OR PREVIOUSLY UNCOATED CMU				
Light Architectural Duty C1.1	Offices, corridors, classrooms, conference rooms, storage and other low-abuse interior block walls receiving a breathable acrylic finish	Clean and dry; allow new CMU and mortar to cure a minimum of 28 days; remove efflorescence, loose mortar and dust	Block Filler: Series 130 Envirofill — 60-80 SF/gal First Coat: Series 1026 Enduratone — 2.0-3.0 mils DFT Finish Coat: Series 1026 Enduratone — 2.0-3.0 mils DFT	4.0-6.0 mils DFT (over block filler applied at coverage rate)
Moderate Duty, Water Based C1.2	Storage rooms, mechanical/electrical rooms, utility rooms, workshops, service areas and general-use uncoated block walls	Clean and dry; allow new CMU and mortar to cure a minimum of 28 days; remove efflorescence, loose mortar and dust	Block Filler: Series 130 Envirofill — 60-80 SF/gal First Coat: Series 288/289 Enviro-Pox — 4.0-6.0 mils DFT Finish Coat: Series 288/289 Enviro-Pox — 4.0-6.0 mils DFT	8.0-12.0 mils DFT (over block filler applied at coverage rate)
Moderate Duty, Solvent Based C1.3	Mechanical/electrical rooms, workshops, garages, storage and service areas where a solvent-based epoxy finish is acceptable and low odor is not required	Clean and dry; allow new CMU and mortar to cure a minimum of 28 days; remove efflorescence, loose mortar and dust	Block Filler: Series 130 Envirofill — 60-80 SF/gal First Coat: Series V69 Hi-Build Epoxoline II — 4.0-6.0 mils DFT Finish Coat: Series V69 Hi-Build Epoxoline II — 4.0-6.0 mils DFT	8.0-12.0 mils DFT (over block filler applied at coverage rate)
Moderate/Heavy Duty, Water Based w/ Urethane Finish C1.4	Locker rooms, restrooms, kitchens, corridors, custodial and service areas needing a scrubbable, color-retentive urethane finish over low-odor epoxy	Clean and dry; allow new CMU and mortar to cure a minimum of 28 days; remove efflorescence, loose mortar and dust	Block Filler: Series 130 Envirofill — 60-80 SF/gal First Coat: Series 288/289 Enviro-Pox — 4.0-6.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0-3.0 mils DFT	6.0-9.0 mils DFT (over block filler applied at coverage rate)
Moderate/Heavy Duty, 100% Solids Epoxy w/ Urethane Finish C1.5	Laboratories, kitchens, washdown rooms, corridors and high-abuse areas where a 100% solids epoxy build and urethane finish are required	Clean and dry; allow new CMU and mortar to cure a minimum of 28 days; remove efflorescence, loose mortar and dust	Block Filler: Series 1254 Epoxoblock WB — ~100 SF/gal (CMU) First Coat: Series 280 Tneme-Glaze — 4.0-6.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0-3.0 mils DFT	6.0-9.0 mils DFT (over block filler applied at coverage rate)

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
Moderate/Heavy Duty, Chemical Resistant C1.6	Chemical storage and feed rooms (non-immersion), laboratories, battery rooms, wash bays and areas subject to chemical splash or frequent washdown	Clean and dry; allow new CMU and mortar to cure a minimum of 28 days; remove efflorescence, loose mortar and dust	Block Filler: Series 130 Envirofill — 60–80 SF/gal First Coat: Series 104 H.S. Epoxy — 4.0–6.0 mils DFT Finish Coat: Series 104 H.S. Epoxy — 4.0–6.0 mils DFT	8.0–12.0 mils DFT (over block filler applied at coverage rate)
Heavy Duty / Washdown, 100% Solids Reinforced C1.7	High-traffic corridors, secure or controlled-access areas, maintenance/service spaces, wet areas, laboratories and walls subject to repeated impact or abuse	Clean and dry; allow new CMU and mortar to cure a minimum of 28 days; remove efflorescence, loose mortar and dust	Filler: Series 215 Surfacing Epoxy — 25–40 SF/gal Glass Mat: Series 273 ML Stranlok , embedded into wet Series 215 Saturant: Series 280 Tneme-Glaze — 8.0–10.0 mils DFT Intermediate: Series 280 Tneme-Glaze — 6.0–8.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0–3.0 mils DFT	16.0–21.0 mils DFT (over surfacer/filler applied as needed — not a rated coat)
C2 — NEW OR PREVIOUSLY UNCOATED CONCRETE				
Light Duty C2.1	Offices, corridors, storage and other low-abuse interior poured or precast concrete walls	SSPC-SP13/NACE No. 6 Surface Preparation of Concrete; ICRI-CSP 2-3; clean, dry, cured a minimum of 28 days	Primer: Series 151-1051 Elasto-Grip FC — 0.7–1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series 1026 Enduratone — 2.0–3.0 mils DFT Finish Coat: Series 1026 Enduratone — 2.0–3.0 mils DFT	4.7–7.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)
Moderate Duty, Water Based C2.2	Basements, utility rooms, service corridors, mechanical rooms and general interior poured or precast concrete walls in occupied facilities	SSPC-SP13/NACE No. 6 Surface Preparation of Concrete; ICRI-CSP 2-3; clean, dry, cured a minimum of 28 days	Primer: Series 151-1051 Elasto-Grip FC — 0.7–1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series 288/289 Enviro-Pox — 4.0–6.0 mils DFT Finish Coat: Series 288/289 Enviro-Pox — 4.0–6.0 mils DFT	8.7–13.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)
Moderate Duty, Solvent Based C2.3	Mechanical/electrical rooms, workshops, garages, service and process support areas with interior concrete walls where low odor is not required	SSPC-SP13/NACE No. 6 Surface Preparation of Concrete; ICRI-CSP 2-3; clean, dry, cured a minimum of 28 days	Primer: Series 151-1051 Elasto-Grip FC — 0.7–1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series V69 Hi-Build Epoxoline II — 4.0–6.0 mils DFT Finish Coat: Series V69 Hi-Build Epoxoline II — 4.0–6.0 mils DFT	8.7–13.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)
Moderate/Heavy Duty, Water Based w/ Urethane Finish C2.4	Locker rooms, restrooms, kitchens, corridors and frequently cleaned interior concrete walls needing a urethane finish	SSPC-SP13/NACE No. 6 Surface Preparation of Concrete; ICRI-CSP 2-3; clean, dry, cured a minimum of 28 days	Primer: Series 151-1051 Elasto-Grip FC — 0.7–1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series 288/289 Enviro-Pox — 4.0–6.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0–3.0 mils DFT	6.7–10.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
Moderate/Heavy Duty, 100% Solids Epoxy w/ Urethane Finish C2.5	Laboratories, washdown rooms, process support spaces and high-abuse interior concrete walls requiring a 100% solids epoxy build and urethane finish	SSPC-SP13/NACE No. 6 Surface Preparation of Concrete; ICRI-CSP 2-3; clean, dry, cured a minimum of 28 days	Primer: Series 151-1051 Elasto-Grip FC — 0.7-1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series 280 Tneme-Glaze — 4.0-6.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0-3.0 mils DFT	6.7-10.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)
Moderate/Heavy Duty, Chemical Resistant C2.6	Chemical rooms (non-immersion), laboratories, wash bays and interior concrete walls subject to chemical splash or frequent washdown	SSPC-SP13/NACE No. 6 Surface Preparation of Concrete; ICRI-CSP 2-3; clean, dry, cured a minimum of 28 days	Primer: Series 151-1051 Elasto-Grip FC — 0.7-1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series 104 H.S. Epoxy — 4.0-6.0 mils DFT Finish Coat: Series 104 H.S. Epoxy — 4.0-6.0 mils DFT	8.7-13.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)
C3 — EXISTING / PREVIOUSLY PAINTED CMU AND CONCRETE				
Light Duty C3.1	Previously painted offices, corridors, classrooms, storage and other low-abuse interior CMU or concrete walls	SSPC-SP1; remove chalk/loose paint, patch cracks, spot prime bare areas, dull glossy surfaces	Primer: Series 151-1051 Elasto-Grip FC — 0.7-1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series 1026 Enduratone — 2.0-3.0 mils DFT Finish Coat: Series 1026 Enduratone — 2.0-3.0 mils DFT	4.7-7.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)
Moderate Duty, Water Based C3.2	Previously painted corridors, restrooms, break rooms, utility and service areas receiving a low-odor epoxy maintenance coating	SSPC-SP1; remove chalk/loose paint, patch cracks, spot prime bare areas, dull glossy surfaces	Primer: Series 151-1051 Elasto-Grip FC — 0.7-1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series 288/289 Enviro-Pox — 4.0-6.0 mils DFT Finish Coat: Series 288/289 Enviro-Pox — 4.0-6.0 mils DFT	8.7-13.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)
Moderate Duty, Solvent Based C3.3	Previously painted mechanical rooms, workshops, garages and service areas where a solvent-based epoxy recoat is acceptable	SSPC-SP1; remove chalk/loose paint, patch cracks, spot prime bare areas, dull glossy surfaces	Primer: Series 151-1051 Elasto-Grip FC — 0.7-1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series V69 Hi-Build Epoxoline II — 4.0-6.0 mils DFT Finish Coat: Series V69 Hi-Build Epoxoline II — 4.0-6.0 mils DFT	8.7-13.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)
Moderate/Heavy Duty, Water Based w/ Urethane Finish C3.4	Previously painted locker rooms, restrooms, kitchens, corridors and frequently cleaned walls needing a urethane finish	SSPC-SP1; remove chalk/loose paint, patch cracks, spot prime bare areas, dull glossy surfaces	Primer: Series 151-1051 Elasto-Grip FC — 0.7-1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series 288/289 Enviro-Pox — 4.0-6.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0-3.0 mils DFT	6.7-10.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
Moderate/Heavy Duty, 100% Solids Epoxy w/ Urethane Finish C3.5	Previously painted laboratories, washdown rooms and high-abuse walls requiring a 100% solids epoxy build and urethane finish	SSPC-SP1; remove chalk/loose paint, patch cracks, spot prime bare areas, dull glossy surfaces	Primer: Series 151-1051 Elasto-Grip FC — 0.7-1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series 280 Tneme-Glaze — 4.0-6.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0-3.0 mils DFT	6.7-10.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)
Moderate/Heavy Duty, Chemical Resistant C3.6	Previously painted chemical rooms (non-immersion), laboratories, wash bays and walls subject to chemical splash or washdown	SSPC-SP1; remove chalk/loose paint, patch cracks, spot prime bare areas, dull glossy surfaces	Primer: Series 151-1051 Elasto-Grip FC — 0.7-1.5 mils DFT Filler (as needed): Series 215 Surfacing Epoxy — Applied at coverage rate First Coat: Series 104 H.S. Epoxy — 4.0-6.0 mils DFT Finish Coat: Series 104 H.S. Epoxy — 4.0-6.0 mils DFT	8.7-13.5 mils DFT (over surfacer/filler applied as needed — not a rated coat)
C4 — CONCRETE CEILINGS - NEW, EXISTING PAINTED OR STRUCTURAL, PLANK AND DECK				
Dry-Fall, High-Moisture / Natatorium Ceilings C4.1	Pool or aquatic areas, high-humidity mechanical rooms, laundry areas, wash bays, wet-process rooms and persistently humid interior spaces	SSPC-SP13/NACE No. 6; clean and dry; remove loose/peeling coating on previously painted ceilings	Primer: Series 115 Uni-Bond DF — 2.0-4.0 mils DFT Intermediate: Series 115 Uni-Bond DF — 2.0-4.0 mils DFT Finish Coat: Series 115 Uni-Bond DF — 2.0-4.0 mils DFT	6.0-12.0 mils DFT
Flexible / Mildew-Resistant Ceilings (Locker Rooms) C4.2	Locker rooms, showers, laundry rooms, restrooms, wash areas and intermittently humid interior spaces	SSPC-SP13/NACE No. 6; clean and dry; remove loose/peeling coating on previously painted ceilings	Primer: Series 151-1051 Elasto-Grip FC — 0.7-1.5 mils DFT First Coat: Series 158 Bio-Lastic — 6.0-7.0 mils DFT Finish Coat: Series 158 Bio-Lastic — 6.0-7.0 mils DFT	12.7-15.5 mils DFT
S1 — NEW OR PREVIOUSLY UNCOATED STEEL				
Light Architectural Duty S1.1	Doors and frames, railings, trim, miscellaneous metals and exposed steel in offices and other low-abuse interior spaces	SSPC-SP1 Solvent Cleaning; SSPC-SP2/SP3 Hand/Power Tool Cleaning minimum (SSPC-SP6 preferred)	Primer: Series V10 Tnemec Primer — 2.0-3.5 mils DFT Touch-Up Primer: Series V10 Tnemec Primer — 2.0-3.5 mils DFT First Coat: Series 1026 Enduratone — 2.0-3.0 mils DFT Finish Coat: Series 1026 Enduratone — 2.0-3.0 mils DFT	6.0-9.5 mils DFT (excludes touch-up coats)
Moderate Duty, Solvent Based Epoxy S1.2	Structural steel, columns, beams, equipment supports, platforms and miscellaneous steel in mechanical rooms, garages, shops and process support areas	SSPC-SP6/NACE No. 3 Commercial Blast Cleaning	Primer: Series 1 Omnithane — 2.5-3.5 mils DFT Touch-Up Primer: Series 1 Omnithane — 2.5-3.5 mils DFT First Coat: Series V69 Hi-Build Epoxoline II — 4.0-6.0 mils DFT Finish Coat: Series V69 Hi-Build Epoxoline II — 4.0-6.0 mils DFT Note: <i>Specify Series 90-97 Tneme-Zinc for natatorium and/or wet environments.</i>	10.5-15.5 mils DFT (excludes touch-up coats)

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
Moderate Duty, Solvent Based Epoxy w/ Urethane Finish S1.3	Exposed structural steel, stairs, railings, mezzanines and equipment in lobbies, gymnasiums, corridors and other visible interior spaces needing color and gloss retention	SSPC-SP6/NACE No. 3 Commercial Blast Cleaning	Primer: Series 1 Omnithane — 2.5–3.5 mils DFT Touch-Up Primer: Series 1 Omnithane — 2.5–3.5 mils DFT First Coat: Series V69 Hi-Build Epoxoline II — 4.0–6.0 mils DFT Finish Coat: Series 1095 Endura-Shield — 3.0–4.0 mils DFT <i>Note: Specify Series 90-97 Tneme-Zinc for natatorium and/or wet environments.</i> <i>Note: Use Series 1090 as the finish coat for high traffic areas</i>	9.5–13.5 mils DFT (excludes touch-up coats)
Heavy Duty, Chemical Resistant Epoxy S1.4	Steel in chemical rooms, laboratories, wash bays and process areas subject to chemical splash, fumes or frequent washdown (non-immersion)	SSPC-SP10/NACE No. 2 Near-White Metal Blast Cleaning	Primer: Series 1 Omnithane — 2.5–3.5 mils DFT Touch-Up Primer: Series 1 Omnithane — 2.5–3.5 mils DFT Stripe Coat: Series 104 H.S. Epoxy — 4.0–6.0 mils DFT First Coat: Series 104 H.S. Epoxy — 4.0–6.0 mils DFT Finish Coat: Series 104 H.S. Epoxy — 4.0–6.0 mils DFT	10.5–15.5 mils DFT (excludes stripe/touch-up coats)
Overhead Structural Steel / Joists / Deck, Dry-Fall S1.5	Overhead structural steel, bar joists, metal deck, ductwork and conduit in gymnasiums, warehouses, shops and open-ceiling spaces (dry-fall application)	SSPC-SP6/NACE No. 3 Commercial Blast Cleaning	Primer: Series 1 Omnithane — 2.5–3.5 mils DFT Touch-Up Primer: Series 1 Omnithane — 2.5–3.5 mils DFT First Coat: Series 115 Uni-Bond DE — 2.0–4.0 mils DFT Finish Coat: Series 115 Uni-Bond DE — 2.0–4.0 mils DFT <i>Note: Specify Series 90-97 Tneme-Zinc for natatorium and/or wet environments.</i>	6.5–11.5 mils DFT (excludes touch-up coats)
Galvanized Steel, Epoxy Finish S1.6	Galvanized pipe, handrails, ladders and miscellaneous fabrications — interior, non-immersion service	SSPC-SP1 to remove oil/grease/contaminants; SSPC-SP16 to remove storage stains and uniformly profile	First Coat: Series V69 Hi-Build Epoxoline II — 3.0–4.0 mils DFT Finish Coat: Series V69 Hi-Build Epoxoline II — 3.0–4.0 mils DFT	6.0–8.0 mils DFT
Galvanized Steel, Urethane Finish S1.7	Exposed galvanized railings, stairs, ladders, frames and miscellaneous fabrications in visible interior spaces needing color and gloss retention	SSPC-SP1 to remove oil/grease/contaminants; SSPC-SP16 to remove storage stains and uniformly profile	First Coat: Series V69 Hi-Build Epoxoline II — 3.0–4.0 mils DFT Finish Coat: Series 1095 Endura-Shield — 3.0–4.0 mils DFT	6.0–8.0 mils DFT
Galvanized Steel, Light Architectural Duty S1.8	Railings, stairs, ladders, supports, equipment frames, guards and miscellaneous galvanized or nonferrous metal	SSPC-SP1 to remove oil/grease/contaminants; SSPC-SP16 to remove storage stains and uniformly profile	Primer: Series 116 Uni-Bond — 2.0–4.0 mils DFT Finish Coat: Series 1028 Enduratone — 2.0–3.0 mils DFT	4.0–7.0 mils DFT
S2 — EXISTING / PREVIOUSLY PAINTED STEEL				

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
Light Architectural Duty S2.1	Previously painted doors and frames, railings, trim and miscellaneous metals in low-abuse interior spaces	Wash clean; SSPC-SP2/SP3 Hand/Power Tool Cleaning to degloss; remove loose coatings; feather transition edges	Spot Primer: Series V10 Tnemec Primer — 2.0–3.5 mils DFT First Coat: Series 1026 Enduratone — 2.0–3.0 mils DFT Finish Coat: Series 1026 Enduratone — 2.0–3.0 mils DFT	6.0–9.5 mils DFT
Moderate Duty, Solvent Based Epoxy Finish S2.2	Previously painted structural steel, equipment supports, platforms and miscellaneous steel in mechanical rooms, garages, shops and process support areas	Wash clean; SSPC-SP2/SP3 Hand/Power Tool Cleaning to degloss; remove loose coatings; feather transition edges	Spot Prime: Series 135 Chembuild — 4.0–6.0 mils DFT First Coat: Series 135 Chembuild — 4.0–6.0 mils DFT Finish Coat: Series V69 Hi-Build Epoxoline II — 4.0–6.0 mils DFT	8.0–12.0 mils DFT (excludes spot-prime coats)
Moderate Duty, Solvent Based Epoxy w/ Urethane Finish S2.3	Previously painted exposed steel, stairs, railings and equipment in visible interior spaces needing color and gloss retention	Wash clean; SSPC-SP2/SP3 Hand/Power Tool Cleaning to degloss; remove loose coatings; feather transition edges	Spot Prime: Series 135 Chembuild — 4.0–6.0 mils DFT First Coat: Series 135 Chembuild — 4.0–6.0 mils DFT Finish Coat: Series 1095 Endura-Shield — 3.0–4.0 mils DFT <i>Note: Use Series 1090 as the finish coat for high traffic areas</i>	7.0–10.0 mils DFT (excludes spot-prime coats)
Heavy Duty, Chemical Resistant Epoxy S2.4	Previously painted steel in chemical rooms, laboratories, wash bays and process areas subject to chemical splash or washdown (non-immersion)	Wash clean; SSPC-SP2/SP3 Hand/Power Tool Cleaning; SSPC-SP11 to bare metal at corroded areas; feather transition edges	Touch-Up Primer: Series 1 Omnithane — 2.5–3.5 mils DFT First Coat: Series 104 H.S. Epoxy — 4.0–6.0 mils DFT Finish Coat: Series 104 H.S. Epoxy — 4.0–6.0 mils DFT	8.0–12.0 mils DFT (excludes touch-up coats)
Overhead Structural Steel / Joists / Deck, Dry-Fall S2.5	Previously painted overhead structural steel, joists, deck, ductwork and conduit in open-ceiling spaces (dry-fall application)	Wash clean; SSPC-SP2/SP3 Hand/Power Tool Cleaning to degloss; remove loose coatings; feather transition edges	Spot Prime: Series 135 Chembuild — 4.0–6.0 mils DFT First Coat: Series 115 Uni-Bond DE — 2.0–4.0 mils DFT Finish Coat: Series 115 Uni-Bond DE — 2.0–4.0 mils DFT	8.0–14.0 mils DFT
Galvanized Steel, Epoxy Finish S2.6	Galvanized pipe, handrails, ladders and miscellaneous fabrications — interior, non-immersion service	SSPC-SP1; SSPC-SP2/SP3 to degloss and remove loose coating; SSPC-SP16 at exposed galvanizing	First Coat: Series V69 Hi-Build Epoxoline II — 3.0–4.0 mils DFT Finish Coat: Series V69 Hi-Build Epoxoline II — 3.0–4.0 mils DFT	6.0–8.0 mils DFT
Galvanized Steel, Urethane Finish S2.7	Previously painted galvanized railings, stairs, ladders, frames and miscellaneous fabrications in visible interior spaces needing color and gloss retention	SSPC-SP1; SSPC-SP2/SP3 to degloss and remove loose coating; SSPC-SP16 at exposed galvanizing	First Coat: Series V69 Hi-Build Epoxoline II — 3.0–4.0 mils DFT Finish Coat: Series 1095 Endura-Shield — 3.0–4.0 mils DFT	6.0–8.0 mils DFT

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
Hollow Metal Doors, Frames, Railings — Light Architectural Duty S2.8	Previously painted hollow metal doors, frames, railings and trim in offices, corridors, classrooms and other low-abuse interior spaces	Wash clean; SSPC-SP2/SP3 Hand/Power Tool Cleaning to degloss; remove loose coatings; feather transition edges	Primer: Series 1028/1029 Enduratone — 2.0–3.0 mils DFT Finish Coat: Series 1028/1029 Enduratone — 2.0–3.0 mils DFT	4.0–6.0 mils DFT
Hollow Metal Doors, Frames, Railings — Moderate/Heavy Duty S2.9	Lobbies, atriums, public areas, assembly spaces, garages, maintenance areas, exposed columns/beams and existing mechanical or support steel	Wash clean; SSPC-SP2/SP3 Hand/Power Tool Cleaning to degloss; remove loose coatings; feather transition edges	Primer: Series 27 Typoxy — 3.0–4.0 mils DFT Finish Coat: Series 1090 Endura-Shield — 3.0–4.0 mils DFT	6.0–8.0 mils DFT
T1 — GLAZED TILE / GLAZED BLOCK				
Light/Moderate Duty T1.1	Restrooms, kitchens, break rooms, utility rooms and existing tile receiving decorative or light-duty coatings	Clean thoroughly (Simple Green/TSP or similar); uniformly scarify to remove glaze/sheen (test patch recommended)	Primer: Series 108 ProBond — 1.0–2.0 mils DFT First Coat: Series 1028 Enduratone — 2.0–3.0 mils DFT Finish Coat: Series 1028 Enduratone — 2.0–3.0 mils DFT	5.0–8.0 mils DFT
Moderate/Heavy Duty, Epoxy w/ Urethane Finish T1.2	Locker rooms, laboratories, commercial kitchens, service areas and tile requiring enhanced chemical, cleaning or abrasion resistance	Clean thoroughly (Simple Green/TSP or similar); uniformly scarify to remove glaze/sheen (test patch recommended)	Primer: Series 108 ProBond — 1.0–2.0 mils DFT First Coat: Series V69 Hi-Build Epoxoline II — 4.0–6.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0–3.0 mils DFT	7.0–11.0 mils DFT
Shower / Wet Walls T1.3	Showers, locker rooms, wash areas and tiled wet rooms	Clean thoroughly (Simple Green/TSP or similar); uniformly scarify to remove glaze/sheen (test patch recommended)	Primer: Series V69 Hi-Build Epoxoline II — 4.0–6.0 mils DFT First Coat: Series V69 Hi-Build Epoxoline II — 4.0–6.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0–3.0 mils DFT	10.0–15.0 mils DFT
M1 — MISCELLANEOUS INTERIOR SUBSTRATES				
Wood — Bare or Previously Painted M1.1	Doors, trim, millwork, paneling and exposed architectural wood	Clean and dry; sand smooth; remove loose/peeling paint and feather edges	Primer: Series V10 Tnemec Primer — 2.0–3.5 mils DFT First Coat: Series 1028/1029 Enduratone — 2.0–3.0 mils DFT Finish Coat: Series 1028/1029 Enduratone — 2.0–3.0 mils DFT	6.0–9.5 mils DFT
PVC Pipe, Trim and Plastic Components M1.2	PVC trim, piping, panels and miscellaneous plastic components requiring field coating	Solvent clean and dry; lightly sand with #150–200 sandpaper	First Coat: Series 1028/1029 Enduratone — 2.0–3.0 mils DFT Finish Coat: Series 1028/1029 Enduratone — 2.0–3.0 mils DFT	4.0–6.0 mils DFT

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
Insulated Pipe Jacketing (Canvas / PVC Jacket) M1.3	Canvas or PVC insulated pipe jacketing in mechanical rooms, boiler rooms, corridors and other exposed interior areas	Clean and dry	First Coat: Series 1026 Enduratone — 2.0–3.0 mils DFT Finish Coat: Series 1026 Enduratone — 2.0–3.0 mils DFT	4.0–6.0 mils DFT
Interior Aluminum and Non-Ferrous Metal M1.4	Interior aluminum and non-ferrous railings, trim, frames, louvers, grilles and miscellaneous metal components	SSPC-SP1; light abrasive sweep blast or uniformly sand to profile; avoid damaging/warping thin components	Primer: Series 116 Uni-Bond — 2.0–4.0 mils DFT Finish Coat: Series 1028/1029 Enduratone — 2.0–3.0 mils DFT	4.0–7.0 mils DFT
EXTERIOR SYSTEMS				
EC1 — NEW OR PREVIOUSLY UNCOATED CMU AND CONCRETE				
Elastomeric / Crack-Bridging, Smooth Finish EC1.1	Exterior masonry/CMU, unpainted	SSPC-SP13/NACE No. 6; clean, dry, free of oil/grease/form-release agents; allow new concrete/CMU to cure min. 14 days; repair cracks per mfr procedure	Block Filler (CMU, as needed): Series 130 Envirofill — 60–80 SF/gal Primer: Series 151-1051 Elasto-Grip FC — 0.7–1.5 mils DFT First Coat: Series 156 Enviro-Crete — 6.0–8.0 mils DFT Finish Coat: Series 156 Enviro-Crete — 6.0–8.0 mils DFT	12.7–17.5 mils DFT (over block filler applied at coverage rate)
Elastomeric / Crack-Bridging, Sand Textured Finish EC1.2	Exterior CMU and concrete walls, screen walls and building envelopes where a sand-textured elastomeric finish is desired to hide surface irregularities	SSPC-SP13/NACE No. 6; clean, dry, free of oil/grease/form-release agents; allow new concrete/CMU to cure min. 14 days; repair cracks per mfr procedure	Block Filler (CMU, as needed): Series 130 Envirofill — 60–80 SF/gal Primer: Series 151-1051 Elasto-Grip FC — 0.7–1.5 mils DFT First Coat: Series 156 Enviro-Crete — 6.0–8.0 mils DFT Finish Coat: Series 157 Enviro-Crete (sand textured) — 6.0–9.0 mils DFT	12.7–18.5 mils DFT (over block filler applied at coverage rate)
EC2 — EXISTING / PREVIOUSLY PAINTED CMU, BRICK AND CONCRETE				
Elastomeric / Crack-Bridging Recoat EC2.1	Building envelopes, exterior CMU/concrete walls, above-grade foundations, screen walls, retaining walls and masonry requiring crack-bridging or weatherproofing	Power wash; remove loose/peeling coating and chalk; clean and dry	Primer (as needed): Series 151-1051 Elasto-Grip FC — 0.7–1.5 mils DFT First Coat: Series 156 Enviro-Crete — 4.0–6.0 mils DFT Finish Coat: Series 156 Enviro-Crete — 4.0–6.0 mils DFT	8.0–12.0 mils DFT; optional Primer (as needed) 0.7–1.5
EC3 — STUCCO AND CEMENT PLASTER				
Uncoated or Previously Painted EC3.1	Exterior stucco and cement plaster walls, soffits, parapets and building envelope surfaces	SSPC-SP13 Surface Preparation of Concrete; clean and dry	Primer: Series 151-1051 Elasto-Grip FC — 0.7–1.5 mils DFT First Coat: Series 156 Enviro-Crete — 4.0–6.0 mils DFT Finish Coat: Series 156 Enviro-Crete — 4.0–6.0 mils DFT	8.7–13.5 mils DFT

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
ES1 — NEW OR FULL-COATING-REMOVAL STEEL				
Zinc / Epoxy / Urethane (Good) ES1.1	New fabrication or full coating removal — exterior structural steel, tanks, pipe supports and equipment, non-immersion service	SSPC-SP6/NACE No. 3 Commercial Blast Cleaning	Shop or Field Primer: Series 90-97 Tneme-Zinc — 2.5–3.5 mils DFT Touch-Up Primer: Series 90G-1K97 Tneme-Zinc — 2.5–3.5 mils DFT Intermediate: Series V69 Hi-Build Epoxoline II — 4.0–6.0 mils DFT Finish Coat: Series 1095 Endura-Shield — 3.0–4.0 mils DFT <i>Note: Use Series 1090 as the finish coat for high traffic areas</i>	9.5–13.5 mils DFT (excludes touch-up coats)
Zinc / Epoxy / Urethane / Fluoropolymer (Best — Extended UV & Color Retention) ES1.2	Architecturally exposed exterior steel — canopies, entrance structures, pedestrian bridges, light poles, sign structures and tank exteriors where extended color and gloss retention is required	SSPC-SP6/NACE No. 3 Commercial Blast Cleaning	Shop or Field Primer: Series 90-97 Tneme-Zinc — 2.5–3.5 mils DFT Touch-Up Primer: Series 90G-1K97 Tneme-Zinc — 2.5–3.5 mils DFT Stripe / Intermediate 1: Series V69 Hi-Build Epoxoline II — 3.0–5.0 mils DFT Intermediate 2: Series 1095 or 1096 Endura-Shield — 3.0–4.0 mils DFT Finish Coat: Series 1070/1071/1072 Fluoronar — 2.0–3.0 mils DFT	10.5–15.5 mils DFT (excludes stripe/touch-up coats)
ES2 — EXISTING / PREVIOUSLY PAINTED STEEL (OVERCOAT)				
Epoxy Mastic / Urethane (Good) ES2.1	Existing exterior steel with a sound coating — support steel, equipment, enclosures, fencing, gates, tank exteriors and miscellaneous steel receiving an overcoat	SSPC-SP2/SP3 Hand/Power Tool Cleaning; remove loose coating; feather transition edges	Spot Prime: Series 135 Chembuild — 4.0–6.0 mils DFT Full Prime Coat: Series 135 Chembuild — 4.0–6.0 mils DFT Finish Coat: Series 1095 Endura-Shield — 3.0–4.0 mils DFT <i>Note: Use Series 1090 as the finish coat for high traffic areas</i>	7.0–10.0 mils DFT (excludes spot-prime coats)
Epoxy Mastic / Urethane / Fluoropolymer (Best) ES2.2	Existing canopies, entrance structures, bridges, support steel, light poles, sign frames, equipment screens and miscellaneous exposed steel where the existing coating remains	SSPC-SP2/SP3 Hand/Power Tool Cleaning; remove loose coating; feather transition edges	Spot Prime: Series 135 Chembuild — 4.0–6.0 mils DFT Full Prime Coat: Series 135 Chembuild — 4.0–6.0 mils DFT Intermediate: Series 1095 or 1096 Endura-Shield — 3.0–4.0 mils DFT Finish Coat: Series 1070/1071/1072 Fluoronar — 2.0–3.0 mils DFT	9.0–13.0 mils DFT (excludes spot-prime coats)
ES3 — GALVANIZED STEEL				
New or Full Coating Removal, Urethane Finish (Good) ES3.1	Exterior galvanized railings, stairs, ladders, canopies, fencing, gates, support steel and miscellaneous galvanized fabrications	SSPC-SP1 to remove oil/grease/contaminants; SSPC-SP16 to remove storage stains and uniformly profile	Primer: Series V69 Hi-Build Epoxoline II — 3.0–4.0 mils DFT Finish Coat: Series 1095 Endura-Shield — 3.0–4.0 mils DFT	6.0–8.0 mils DFT

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
New or Full Coating Removal, Fluoropolymer Finish (Best) ES3.2	Exterior stairs, guards, handrails, canopies, structural supports, sign frames and galvanized assets requiring full refurbishment	Remove existing coating; abrasive blast per SSPC-SP16, min. 1.5-mil angular anchor profile	Spot Primer (repair damaged galvanizing): Series 94-H2O Hydro-Zinc — 2.5–3.5 mils DFT Primer: Series V69 Hi-Build Epoxoline II — 3.0–4.0 mils DFT Intermediate: Series 1095 or 1096 Endura-Shield — 2.0–3.0 mils DFT Finish Coat: Series 1070/1071/1072 Fluoronar — 2.0–3.0 mils DFT	7.0–10.0 mils DFT (excludes spot-prime coats)
Previously Coated Galvanized, Overcoat ES3.3	Previously coated exterior galvanized railings, ladders, doors and frames, fencing, gates, support poles and miscellaneous galvanized metal	Wash clean; SSPC-SP2/SP3 Hand/Power Tool Cleaning to degloss; remove loose coatings; feather transition edges	Spot / Prime Coat: Series 27 Typoxy — 3.0–4.0 mils DFT Finish Coat: Series 1095 Endura-Shield — 3.0–4.0 mils DFT Optional Finish: Series 1070V Fluoronar — 2.0–3.0 mils DFT	6.0–8.0 mils DFT; Optional Finish 2.0–3.0
ES4 — ALUMINUM AND NON-FERROUS METAL				
General ES4.1	Louvers, screens, railings, architectural trim, frames, stairs/platforms and exposed aluminum components	Light abrasive sweep blast (SSPC-SP16), uniform angular profile 1.0-2.0 mils; avoid damaging/warping thin components	Primer: Series V69 Hi-Build Epoxoline II — 2.0–3.0 mils DFT Intermediate: Series 1095 Endura-Shield — 2.0–3.0 mils DFT Finish Coat: Series 1071 Fluoronar — 2.0–3.0 mils DFT	6.0–9.0 mils DFT
ES5 — HOLLOW METAL DOORS AND FRAMES				
Hollow Metal Doors, Frames, Railings — Light Architectural Duty ES5.1	Exterior hollow metal doors, frames, railings and trim at entrances, service doors and other light-duty exterior locations	SSPC-SP1; SSPC-SP2/SP3 to degloss and remove loose coating; feather transition edges	Primer: Series 1028/1029 Enduratone — 2.0–3.0 mils DFT Finish Coat: Series 1028/1029 Enduratone — 2.0–3.0 mils DFT	4.0–6.0 mils DFT
Hollow Metal Doors, Frames, Railings — Moderate/Heavy Duty ES5.2	Hollow-metal doors, frames, access doors, service doors, overhead-door components and similar ferrous assemblies	SSPC-SP1; SSPC-SP2/SP3 to degloss and remove loose coating; feather transition edges	Primer: Series 27 Typoxy — 3.0–4.0 mils DFT Finish Coat: Series 1095 Endura-Shield — 3.0–4.0 mils DFT <i>Note: Use Series 1090 as the finish coat for high traffic areas</i>	6.0–8.0 mils DFT
ES6 — METAL PANEL ROOFS AND WALLS (PREFINISHED / KYNAR)				
Best — 15-Year Color and Gloss ES6.1	Metal roof panels, wall panels, prefinished siding, fascias, copings and weathered factory-finished metal surfaces	Power wash clean in accordance with SSPC-SP1; uniformly scarify to remove glaze/sheen (test patch required)	Primer: Series 108 ProBond — 1.0–2.0 mils DFT Intermediate: Series 1095 Endura-Shield — 3.0–4.0 mils DFT Finish Coat: Series 1070V Fluoronar — 2.0–3.0 mils DFT	6.0–9.0 mils DFT

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
Good — 7-Year Color and Gloss ES6.2	Metal roof panels, wall panels, prefinished siding, fascias and copings where a heat-reflective finish with a 7-year color and gloss warranty is acceptable	Power wash clean in accordance with SSPC-SP1; uniformly scarify to remove glaze/sheen (test patch required)	Primer: Tex-Cote Metal Prime — 1.0–2.0 mils DFT Intermediate: Tex-Cote Reflect-Tec — 3.0–4.0 mils DFT Finish Coat: Tex-Cote Reflect-Tec — 3.0–4.0 mils DFT	7.0–10.0 mils DFT
EW1 — WOOD				
Bare or Previously Painted EW1.1	Doors, trim, millwork, paneling and exposed architectural wood	Clean and dry; sand smooth	Primer: Series V10 Tnemec Primer — 2.0–3.5 mils DFT First Coat: Series 1028 Enduratone — 2.0–3.0 mils DFT Finish Coat: Series 1028 Enduratone — 2.0–3.0 mils DFT	6.0–9.5 mils DFT
ED1 — PEDESTRIAN DECK COATINGS (NON-VEHICULAR)				
General Waterproofing, Broadcast ED1.1	Walkways, balconies, plaza decks, breezeways, terraces and non-vehicular concrete decks requiring waterproofing and slip resistance	SSPC-SP13 Surface Preparation of Concrete	Primer: Series 154 TnemecGuard (thinned) — 4.0–7.0 mils DFT Slurry / Broadcast Coat: Series 154 TnemecGuard with 30/50 silica sand — 10.0–14.0 mils DFT Optional Grout Coat: Series 154 TnemecGuard — 10.0–14.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0–3.0 mils DFT	16.0–24.0 mils DFT; Optional Grout Coat 10.0–14.0
Exposed Concrete Stairs and Elevated Decks, Mesh-Reinforced ED1.2	Exterior or exposed concrete stairs, landings, ramps, platforms and elevated decks requiring a mesh-reinforced, slip-resistant walking surface	Wash clean; prepare concrete by sanding, light grinding, or pressurized water cleaning at 4,000–5,000 psi w/ zero-degree oscillating tip; clean, dry, sound. Fill hairline cracks (<1/64") by brushing Series 154 in; cracks ≥1/64" or moving cracks/joints — reinforce w/ Series S211 woven mesh.	Steel Spot Prime (as applicable): Series 118 Uni-Bond Mastic — 4.0–6.0 mils DFT Primer: Series 154 TnemecGuard (thinned) — 4.0–7.0 mils DFT 1st Intermediate: Series 154 TnemecGuard with S211 woven mesh — 10.0–14.0 mils DFT 2nd Intermediate: Series 154 TnemecGuard with silica sand broadcast — 10.0–14.0 mils DFT Finish Coat: Series 297 Enviro-Glaze — 2.0–3.0 mils DFT	26.0–38.0 mils DFT (excludes spot-prime coats)
ESL1 — WATER REPELLENTS, SEALERS AND ANTI-GRAFFITI				
Penetrating Silane/Siloxane Water Repellent ESL1.1	Exterior concrete, precast, brick, block, stone, stucco and other absorptive masonry exposed to weather; clear penetrating water repellent with no film build	Per product surface-absorption test; clean, dry, free of efflorescence	Sealer: Series 633 Prime-A-Pell H2O (Tnemec) — or Tex-Cote Rainstopper 120/140 — N/A (penetrating sealer)	Not applicable — penetrating sealer, no measurable dry film thickness

Condition	Typical Locations	Surface Preparation	Coat Schedule (Product — DFT)	Total Build
Anti-Graffiti (Sacrificial / Non-Sacrificial) ESL1.2	Exterior masonry, concrete and coated walls at grade level, entrances, underpasses and other areas subject to graffiti	Clean and dry; if previously coated, uniformly scarify to sound coating	Primer (porous masonry only): Rainstopper 1750W Clear Sealer (TEX-COTE) — Applied at coverage rate Topcoat: Graffiti Gard IV (TEX-COTE) — 250-350 SF/gal clear; 150-200 SF/gal pigmented	Not specified — system applied by coverage rate; see coat schedule
SPECIALTY SYSTEMS				
X1 — SPECIALTY SYSTEMS				
Aerogel Thermal-Break Coating at Steel Envelope Penetrations X1.1	Steel penetrating the building envelope — relieving angles, lintels, canopy and balcony steel and other thermal-bridge locations	SSPC-SP6/NACE No. 3 Commercial Blast Cleaning	Primer: Series 394 PerimePrime — 2.5-3.5 mils DFT Insulative Coating (2-3 coats by shape): Series 971 Aerolon — 40.0-50.0 per coat (2 coats W-shapes / 3 coats HSS & deck) Finish (exposed to view): Series 1028 Enduratone — 2.0-3.0 mils DFT	80-150 mils DFT (per shape; 2 coats W-shapes, 3 coats HSS/deck) plus 2.0-3.0 finish where exposed

-
- For CSI 3-part bid/construction specification language built from these same systems, use Section 09 96 00, High-Performance Coatings, or contact Atlantic Coating Consultants for a project-specific specification.
 - For resinous flooring, use the companion Short-Form System Reference Guide — Resinous Flooring and Section 09 67 23. For process-facility applications, use the companion Water Treatment and Wastewater Treatment Short-Form System Reference guides.
 - For pool/aquatic linings, secondary containment, potable-water or wastewater immersion systems, or specialty exposures not covered here, contact Atlantic Coating Consultants.