



COATING SYSTEMS FOR

WATER & WASTEWATER

PROCESSING FACILITIES

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COATING SYSTEMS

FOR WATER & WASTEWATER FACILITIES

The following coating systems have been specifically selected based on years of performance in various water and wastewater facilities. Each coating system in the guide is numbered and segmented based on substrates and exposures commonly found within these kinds of facilities. Although the following systems can be adjusted for specific projects, the coatings and linings within this guide are those most highly recommended by Tnemec. To review projects needs and discuss alternative coating options, contact a local Tnemec representative or request more information at tnemec.com

WW.01: STEEL - STRUCTURAL, TANK, PIPE & EQUIPMENT

System Number	WW.01.01
Description	Exterior Exposed
Type	Epoxy / Polyurethane or Zinc-Rich Urethane / Epoxy / Polyurethane
Surface Preparation	SSPC-SP6 / NACE 3
Primer	Series N69 Hi-Build Epoxoline II at 3.0 to 5.0 mils DFT* or Series 90-97 Tneme-Zinc or Series 91-H ₂ O Hydro-Zinc at 2.5 to 3.5 mils DFT*
Intermediate	Series N69 Hi-Build Epoxoline II or Series 27 F.C. Typoxy at 2.0 to 3.0 mils DFT*
Finish Coat	Series 1094 Endura-Shield at 2.0 to 5.0 mils DFT*
Total DFT	7.0 to 13.0 mils (Epoxy / Polyurethane) or 6.5 to 11.5 mils (Zinc-Rich Urethane / Epoxy / Polyurethane)

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

System Number	WW.01.02
Description	Interior Exposed
Type	Epoxy / Epoxy
Surface Preparation	SSPC-SP6 / NACE 3
Primer	Series N69 Hi-Build Epoxoline II at 3.0 to 5.0 mils DFT*
Finish Coat	Series N69 Hi-Build Epoxoline II at 3.0 to 5.0 mils DFT*
Total DFT	6.0 to 10.0 mils

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WW.01: STEEL - STRUCTURAL, TANK, PIPE & EQUIPMENT (CONTINUED)

System Number	WW.01.03
Description	Immersion
Type	Epoxy / Epoxy / Epoxy
Surface Preparation	SSPC-SP10 / NACE 2
Primer	Series N69 Hi-Build Epoxoline II at 3.0 to 5.0 mils DFT*
Intermediate (Optional)	Series 104 H.S. Epoxy at 4.0 to 10.0 mils DFT
Finish Coat	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT* or Series 104 H.S. Epoxy at 4.0 to 10.0 mils DFT
Total DFT	7.0 to 11.0 mils or 11.0 to 25.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

System Number	WW.01.04
Description	Immersion
Type	Epoxy / Coal Tar Epoxy
Surface Preparation	SSPC-SP10 / NACE 2
Primer (Optional)	Series N69 Hi-Build Epoxoline II* at 3.0 to 5.0 mils DFT
Finish Coat	Series 46H-413 Hi-Build Tneme-Tar at 14.0 - 20.0 mils DFT
Total DFT	17.0 to 25.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

System Number	WW.01.05
Description	Immersion
Type	Moisture-Cured Polyurethane / Polyamidoamine Epoxy / Modified Polyamine Epoxy
Surface Preparation	SSPC-SP10 / NACE 2
Primer	Series 1 Omnithane at 2.5 to 3.5 mils DFT
Stripe Coat (Optional)	Series N69 Hi Build Epoxoline II at 3.0 to 5.0 mils DFT
Finish Coat	Series 142 Epoxoline at 12.0 to 14.0 mils DFT
Total DFT	17.5 to 22.5 mils

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WW.01: STEEL - STRUCTURAL, TANK, PIPE & EQUIPMENT (CONTINUED)

System Number	WW.01.06
Description	Interior / Immersion Severe
Type	Vinyl Ester / Vinyl Ester
Surface Preparation	SSPC-SP5 / NACE 1
Primer	Series 120-5002 Vinester at 12.0 to 18.0 mils DFT
Finish Coat	Series 120-5001 Vinester at 12.0 to 18.0 mils DFT
Total DFT	24.0 to 36.0 mils

System Number	WW.01.07
Description	Interior / Immersion Severe H ₂ S Vapor Exposure
Type	Modified Polyamine Epoxy
Surface Preparation	SSPC-SP5 / NACE 1
Primer (Optional)	Series 435 Perma-Glaze at 15.0 to 20.0 mils DFT*
Finish Coat	Series 435 Perma-Glaze at 15.0 to 20.0 mils DFT
Total DFT	30.0 to 40.0 mils

*Series 435 may be applied at a high-build option of 40-80 mils DFT in one or two coats.

System Number	WW.01.08
Description	Below Grade
Type	Epoxy / Coal Tar Epoxy
Surface Preparation	SSPC-SP10 / NACE 2
Primer	Series N69 Hi-Build Epoxoline II at 3.0 to 5.0 mils DFT*
Finish Coat	Series 46H-413 Hi-Build Tneme-Tar at 14.0 to 20.0 mils DFT
Total DFT	17.0 to 25.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

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WW.01: STEEL - STRUCTURAL, TANK, PIPE & EQUIPMENT (CONTINUED)

System Number	WW.01.09
Description	Marginally Prepared Surfaces (Maintenance), (Non-Immersion)
Type	Epoxy / Epoxy
Surface Preparation	Contact Tnemec for recommendation
Primer	Series 135 Chembuild at 4.0 to 6.0 mils DFT*
Finish Coat	Series N69 Hi-Build Epoxoline at 4.0 to 6.0 mils DFT *
Total DFT	8.0 to 12.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

WW.02: FACTORY PRIMED STEEL - DOORS, FRAMES & MISCELLANEOUS EQUIPMENT

System Number	WW.02.01
Description	Exterior Exposed
Type	Epoxy / Polyurethane
Surface Preparation	Clean and Dry
Primer	Factory Primed
Intermediate	Series 27 F.C. Typoxy at 2.0 to 3.0 mils DFT*
Finish Coat	Series 73, 1094 or 1095 Endura-Shield at 2.0 to 3.0 mils DFT
Total DFT	4.0 to 6.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

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WW.02: FACTORY PRIMED STEEL - DOORS, FRAMES & MISCELLANEOUS EQUIPMENT (CONTINUED)

System Number	WW.02.02
Description	Interior Exposed
Type	Epoxy / Epoxy
Surface Preparation	Clean and Dry
Primer	Factory Primed
Intermediate	Series 27 F.C. Typoxy at 2.0 to 3.0 mils DFT
Finish Coat	Series N69 Hi-Build Epoxoline at 2.0 to 3.0 mils DFT*
Total DFT	4.0 to 6.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

WW.03: GALVANIZED STEEL & NON-FERROUS METAL PIPE & MISCELLANEOUS FABRICATIONS

System Number	WW.03.01
Description	Exterior Exposed
Type	Epoxy / Polyurethane
Surface Preparation	Contact Tnemec for recommendation
Primer	Series N69 Hi-Build Epoxoline II at 2.0 to 3.0 mils DFT*
Finish Coat	Series 73, 1094 or 1095 Endura-Shield at 2.0 to 3.0 mils DFT
Total DFT	4.0 to 6.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

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WW.03: GALVANIZED STEEL & NON-FERROUS METAL PIPE & MISC.FABRICATIONS (CONTINUED)

System Number	WW.03.02
Description	Interior Exposed
Type	Epoxy / Epoxy
Surface Preparation	Contact Tnemec for recommendation
Primer	Series N69 Hi-Build Epoxoline II at 2.0 to 3.0 mils DFT*
Finish Coat	Series N69 Hi-Build Epoxoline II at 2.0 to 3.0 mils DFT*
Total DFT	4.0 to 6.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

System Number	WW.03.03
Description	Immersion
Type	Epoxy / Epoxy
Surface Preparation	Contact Tnemec for recommendation
Primer	Series N69 Hi-Build Epoxoline II at 3.0 to 5.0 mils DFT*
Finish Coat	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT*
Total DFT	7.0 to 11.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

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WW.04: DUCTILE OR CAST IRON - PIPE, PUMPS & VALVES

System Number	WW.04.01
Description	Exterior Exposed (Outside Diameter)
Type	Epoxy / Epoxy / Polyurethane
Surface Preparation	Contact Tnemec for recommendation
Primer	Series N69 Hi-Build Epoxoline II at 3.0 to 5.0 mils DFT*
Intermediate	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT*
Finish Coat (Optional)	Series 73, 1094 or 1095 Endura-Shield at 2.0 to 3.0 mils DFT
Total DFT	7.0 to 11.0 mils or 9.0 to 14.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

System Number	WW.04.02
Description	Below Ground and/or Immersion (Outside Diameter)
Type	Epoxy / Coal Tar Epoxy
Surface Preparation	Contact Tnemec for recommendation
Primer (Optional)	Series N69 Hi-Build Epoxoline II at 3.0 to 5.0 mils DFT*
Finish Coat	Series 46H-413 Hi-Build Tneme-Tar at 14.0 to 20.0 mils DFT
Total DFT	14.0 to 20.0 mils or 17.0 to 25.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

System Number	WW.04.03
Description	Interior Expose and/or Immersion (Outside Diameter)
Type	Epoxy / Epoxy
Surface Preparation	Contact Tnemec for recommendation
Primer	Series N69 Hi-Build Epoxoline II at 3.0 to 5.0 mils DFT*
Finish Coat	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT*
Total DFT	7.0 to 11.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative..

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WW.04: DUCTILE OR CAST IRON - PIPE, PUMPS & VALVES (CONTINUED)

System Number	WW.04.04
Special Qualifications	AWWA C 210 (not for potable water contact)
Description	Interior Exposed and/or Immersion H ₂ S Vapor Exposure (Inside Diameter)
Type	Ceramic-Filled Epoxy
Surface Preparation	Contact Tnemec for recommendation
Finish Coat	Series 431 Perma-Shield PL at 40.0 mils DFT
Total DFT	40.0 mils

WW.05: PVC

System Number	WW.05.01
Description	Exterior Exposed
Type	Epoxy / Polyurethane
Surface Preparation	Scarify
Primer	Series N69 Hi-Build Epoxoline II at 2.0 to 3.0 mils DFT*
Finish Coat	Series 73, 1094 or 1095 Endura-Shield at 2.0 to 3.0 mils DFT*
Total DFT	4.0 to 6.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

System Number	WW.05.02
Description	Interior Exposed
Type	Epoxy / Epoxy
Surface Preparation	Scarify
Primer	Series N69 Hi-Build Epoxoline II at 2.0 to 3.0 mils DFT*
Finish Coat	Series N69 Hi-Build Epoxoline II at 2.0 to 3.0 mils DFT*
Total DFT	4.0 to 6.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

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WW.06: INSULATED PIPE

System Number	WW.06.01
Description	Interior / Exterior Exposed
Type	Acrylic / Acrylic
Surface Preparation	Clean and Dry
Primer	Series 1026, 1028, or 1029 Enduratone or Series 30 Spra-Saf EN at 2.0 to 3.0 mils DFT
Finish Coat	Series 1026, 1028, or 1029 Enduratone or Series 30 Spra-Saf EN at 2.0 to 3.0 mils DFT
Total DFT	4.0 to 6.0 mils

WW.07: CONCRETE & MASONRY - PRECAST, POURED-IN-PLACE & DENSE CMU

System Number	WW.07.01
Description	Exterior Exposed
Type	Waterborne Acrylate / Waterborne Acrylate
Surface Preparation	SSPC-SP13 / NACE 6, Clean and Dry
Primer	Series 156 Enviro-Crete at 4.0 to 8.0 mils DFT
Finish Coat	Series 156 Enviro-Crete at 4.0 to 8.0 mils DFT
Total DFT	8.0 to 16.0 mils

System Number	WW.07.02
Description	Exterior Exposed
Type	Acrylic / Acrylic
Surface Preparation	SSPC-SP13 / NACE 6, Clean and Dry
Primer	Series 180 or 181 W.B. Tneme-Crete at 4.0 to 8.0 mils DFT
Finish Coat	Series 180 or 181 W.B. Tneme-Crete at 4.0 to 8.0 mils DFT
Total DFT	8.0 to 16.0 mils

Carefully review product data sheets, along with related application guides, at www.tnemecc.com. Systems outlined in this guide are commonly used, however other system options are available depending on VOC regulations, application technique, aesthetics, and performance requirements. Review the coating system with a Tnemecc Representative prior to final selection. Reference Tnemecc's certified product listing at www.nsf.org for details on the maximum allowable DFT.

WW.07: CONCRETE & MASONRY - PRECAST, POURED-IN-PLACE & DENSE CMU (CONTINUED)

System Number	WW.07.03
Description	Exterior Exposed
Type	Silane / Siloxane Blend
Surface Preparation	SSPC-SP13 / NACE 6, Clean and Dry
Finish Coat	Series 636 Dur A Pell 20 or Series 662 Prime A Pell Plus 40 at 75 to 150 sq ft/gal DFT
Total DFT	75 to 150 sq ft/gal

System Number	WW.07.04
Description	Exterior Exposed
Type	Acrylic Stain
Surface Preparation	SSPC-SP13 / NACE 6, Clean and Dry
Finish Coat	Series 607 or Series 617 Conformal Stain at 100 to 200 sq ft/gal DFT
Total DFT	100 to 200 sq ft/gal

System Number	WW.07.05
Description	Exterior Exposed / Graffiti Protection
Type	RTV Silicone
Surface Preparation	SSPC-SP13 / NACE 6, Clean and Dry
Primer	Series 626 Dur A Pell GS at 65 to 300 sq ft/gal DFT
Finish Coat	Series 626 Dur A Pell GS at 100 to 300 sq ft/gal DFT
Total DFT	165 to 600 sq ft/gal

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WW.07: CONCRETE & MASONRY - PRECAST, POURED-IN-PLACE & DENSE CMU (CONTINUED)

System Number	WW.07.06
Description	Below Grade
Type	Coal Tar
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 3
Finish Coat	Series 46-465 H.B. Tnemecol at 8.0 to 12.0 mils DFT
Total DFT	8.0 to 12.0 mils

System Number	WW.07.07
Description	Below Grade or Immersion
Type	Coal Tar Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 3
Finish Coat	Series 46H-413 Hi-Build Tneme-Tar, DFT 14.0 to 20.0 mils
Total DFT	14.0 to 20.0 mils

System Number	WW.07.08
Description	Below Grade or Immersion
Type	Epoxy / Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 3
Primer	Series 61 Tneme-Liner at 6.0 to 10.0 mils DFT
Finish Coat	Series 61 Tneme-Liner at 6.0 to 10.0 mils DFT
Total DFT	12.0 to 20.0 mils

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WW.07: CONCRETE & MASONRY - PRECAST, POURED-IN-PLACE & DENSE CMU (CONTINUED)

System Number	WW.07.09
Description	Water Immersion
Type	Epoxy / Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 3
Primer	Series 21 Epoxoline at 6.0 to 10.0 mils DFT
Finish Coat	Series 21 Epoxoline at 6.0 to 10.0 mils DFT
Total DFT	12.0 to 20.0 mils

System Number	WW.07.10
Description	Wastewater Immersion
Type	Glass Flake Reinforced Modified Polyamine Epoxy / Glass Flake Reinforced Modified Polyamine Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 3
Primer	Series 142 Epoxoline at 6.0 to 10.0 mils DFT
Finish Coat	Series 142 Epoxoline at 6.0 to 10.0 mils DFT
Total DFT	12.0 to 20.0 mils

System Number	WW.07.11
Description	Immersion
Type	Epoxy / Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 3
Primer	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT*
Finish Coat	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT*
Total DFT	8.0 to 12.0 mils

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WW.07: CONCRETE & MASONRY - PRECAST, POURED-IN-PLACE & DENSE CMU (CONTINUED)

System Number	WW.07.12
Description	Immersion
Type	Vinyl Ester / Vinyl Ester
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 5
Primer	Series 120-5002 Vinester* at 12.0 to 18.0 mils DFT
Finish Coat	Series 120-5001 Vinester at 12.0 to 18.0 mils DFT
Total DFT	24.0 to 36.0 mils

*Use Series 215 for filling voids/surfacing prior to application of the Vinester prime coat.

System Number	WW.07.13
Description	Immersion
Type	Epoxy / Modified Polyurethane
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 3-5*
Repair Mortar	Series 217 MortarCrete at 1/4 inch to 2.0 inches DFT
Primer	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT
Primer (Optional Resurfacer)	Series 218 MortarClad at 1/16 inch to 1/2 inch DFT
Finish Coat	Series 262 Elasto-Shield at 50.0 mils minimum DFT
Total DFT	54.0 mils minimum

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

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WW.07: CONCRETE & MASONRY - PRECAST, POURED-IN-PLACE & DENSE CMU (CONTINUED)

System Number	WW.07.14
Description	Immersion, H ₂ S Vapor Exposure
Type	Modified Polyamine Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 5
Repair Mortar	Series 217 MortarCrete at 1/4 inch to 2.0 inches DFT
Primer (Optional Resurfacer)	Series 218 MortarClad at 1/16 inch to 1/2 inch DFT
Intermediate	Series 434 Perma-Shield H ₂ S at 1/8 inch or 125.0 mils DFT
Finish Coat (Optional)	Series 435 Perma-Glaze at 15.0 - 20.0 mils DFT
Total DFT	Nominal 1/8 inch system

System Number	WW.07.15
Description	Immersion H ₂ S Vapor Exposure
Type	Modified Polyamine Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 5
Repair Mortar	Series 217 MortarCrete at 1/4 inch to 2.0 inches DFT
Primer (Optional Resurfacer)	Series 218 MortarClad at 1/16 inch to 1/2 inch DFT
Finish Coat	Series 435 Perma-Glaze at 30.0 - 40.0 mils DFT*
Total DFT	Nominal 1/8 inch system

*Series 435 may be applied at a high-build option of 40-80 mils DFT in one or two coats.

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WW.07: CONCRETE & MASONRY - PRECAST, POURED-IN-PLACE & DENSE CMU (CONTINUED)

System Number	WW.07.16
Description	Immersion H ₂ S Vapor Exposure
Type	Modified Polyamine Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 5
Repair Mortar	Series 217 MortarCrete at 1/4 inch to 2.0 inches DFT
Primer (Optional Resurfacer)	Series 218 MortarClad at 1/16 inch to 1/2 inch DFT
Finish Coat	Series 436 Perma-Shield FR at 50.0 to 125.0 mils DFT
Finish Coat (Optional)	Series 435 Perma-Glaze at 15.0 to 20.0 mils DFT
Total DFT	Nominal 1/8 inch system

System Number	WW.07.17
Description	Interior Exposed
Type	Epoxy / Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 2-4
Primer	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT*
Finish Coat	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT*
Total DFT	8.0 to 12.0 mils

*Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

System Number	WW.07.18
Description	Interior Exposed
Type	Acrylic-Epoxy / Acrylic-Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 2-4
Primer	Series 113 or 114 H.B. Tnemec-Tufcoat at 4.0 to 6.0 mils DFT
Finish Coat	Series 113 or 114 H.B. Tnemec-Tufcoat at 4.0 to 6.0 mils DFT
Total DFT	8.0 to 12.0 mils

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WW.07: CONCRETE & MASONRY - PRECAST, POURED-IN-PLACE & DENSE CMU (CONTINUED)

System Number	WW.07.19
Description	Ultrafiltration Tanks
Type	Mat-Reinforced Chemical-Resistant Lining
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 2-4
Primer	Series N140F Pota-Pox Plus at 3.0 - 6.0 mils DFT
Bedding Coat	Series 215 Surfacing Epoxy at 60.0 - 80.0 mils DFT
Reinforcement	Series 211-215 Fiberglass Mat
Saturant Coat	Series 22 Epoxoline at 8.0 to 12.0 mils DFT
Finish Coat	Series 22 Epoxoline at 20.0 to 30.0 mils DFT
Total DFT	91.0 to 128.0 mils

WW.08: CONCRETE FLOORS

System Number	WW.08.01
Description	Light Traffic, Low Impact
Type	Waterborne Epoxy / Waterborne Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 1-3
Primer	Series 287 Enviro-Pox at 3.0 - 4.0 mils DFT
Finish Coat	Series 287 Enviro-Pox at 3.0 - 4.0 mils DFT
Total DFT	6.0 to 8.0 mils

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WW.08: CONCRETE FLOORS (CONTINUED)

System Number	WW.08.02
Description	Light Traffic, Low Impact
Type	Epoxy / Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 3-5
Primer	Series 201 Epoxoprime at 6.0 - 8.0 mils DFT
Intermediate	Series 280 or 281 Tneme-Glaze at 6.0 to 8.0 mils DFT
Finish Coat (Optional)	Series 280 or 281 Tneme-Glaze at 6.0 to 8.0 mils DFT
Total DFT	12.0 to 16.0 mils or 18.0 to 24.0 mils

System Number	WW.08.03
Description	Moderate Chemical & Abuse / Functional
Type	Epoxy / Aggregate-Filled Epoxy / Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 3-9
Primer	Series 201 Epoxoprime at 6.0 - 8.0 mils DFT
Intermediate	Series 237 or 238 Power-Tread (Double Broadcast Application) at 1/8 inch DFT
Finish Coat	Series 280 or 281 Tneme-Glaze at 6.0 to 8.0 mils DFT
Total DFT	Nominal 1/8 inch system

System Number	WW.08.04
Description	Moderate Chemical & Abuse / Decorative
Type	Epoxy / Ceramic-Filled Epoxy / Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 3-9
Primer (Optional)	Series 201 Epoxoprime at 4.0 - 6.0 mils DFT
Intermediate	Series 222 Deco-Tread (Double Broadcast Application) at 1/8 inch DFT
Finish Coat	Series 284 Tneme-Glaze at 8.0 to 10.0 mils DFT
Total DFT	Nominal 1/8 inch system

Carefully review product data sheets, along with related application guides, at www.tneme.com. Systems outlined in this guide are commonly used, however other system options are available depending on VOC regulations, application technique, aesthetics, and performance requirements. Review the coating system with a Tneme Representative prior to final selection. Reference Tneme's certified product listing at www.nsf.org for details on the maximum allowable DFT.

WW.09: CONCRETE SECONDARY CONTAINMENT

System Number	WW.09.01
Description	Mat-Reinforced Amine Epoxy
Type	Epoxy / Epoxy / Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 5
Primer	Series 201 Epoxoprime at 4.0 - 12.0 mils DFT
Mortar Basecoat	Series 237SC ChemBloc at 60.0 - 80.0 mils DFT
Fiberglass Mat	Refer to Product Data Sheet
Saturant Coat	Series 237SC ChemBloc at 16.0 - 24.0 mils DFT
Finish Coat	Series 280 Tneme-Glaze at 6.0 - 8.0 mils DFT
Total DFT	Nominal 125.0 mils

System Number	WW.09.02
Description	Mat-Reinforced Mortar Novolac Epoxy
Type	Novolac Epoxy / Novolac Epoxy / Novolac Epoxy
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 5
Primer	Series 201 Epoxoprime at 4.0 - 12.0 mils DFT
Mortar Basecoat	Series 239SC ChemBloc at 60.0 - 80.0 mils DFT
Fiberglass Mat	Refer to Product Data Sheet
Saturant Coat	Series 239SC ChemBloc at 16.0 - 24.0 mils DFT
Finish Coat	Series 282 Tneme-Glaze at 6.0 - 8.0 mils DFT
Total DFT	Nominal 125.0 mils

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WW.09: CONCRETE SECONDARY CONTAINMENT (CONTINUED)

System Number	WW.09.03
Description	Mat-Reinforced Vinyl Ester
Type	Vinyl Ester / Vinyl Ester / Vinyl Ester
Surface Preparation	SSPC-SP13 / NACE 6, ICRI CSP 5
Primer	Series 251SC ChemBloc at 4.0 - 12.0 mils DFT
Mortar Basecoat	Series 251SC ChemBloc at 60.0 - 80.0 mils DFT
Fiberglass Mat	Refer to Product Data Sheet
Saturant Coat	Series 252SC ChemBloc at 16.0 - 24.0 mils DFT
Finish Coat	Series 252SC ChemBloc at 4.0 - 12.0 mils DFT
Total DFT	Nominal 125.0 mils

WW.10: CONCRETE & MASONRY - POROUS CMU & CONCRETE

System Number	WW.10.01
Description	Exterior Exposed
Type	Acrylic or Epoxy / Acrylate
Surface Preparation	Concrete: SSPC-SP13 / NACE 6, ICRI CSP 2-4 CMU: Clean and Dry
Primer	Series 130 Envirofill or 1254 EpoxoBlock at 60-80 sq ft/gal DFT
Intermediate	Series 156 Enviro-Crete at 4.0 to 8.0 mils DFT
Finish Coat	Series 156 Enviro-Crete at 4.0 to 8.0 mils DFT
Total DFT	8.0 to 16.0 mils (plus filler)

Carefully review product data sheets, along with related application guides, at www.tnemec.com. Systems outlined in this guide are commonly used, however other system options are available depending on VOC regulations, application technique, aesthetics, and performance requirements. Review the coating system with a Tnemec Representative prior to final selection. Reference Tnemec's certified product listing at www.nsf.org for details on the maximum allowable DFT.

WW.10: CONCRETE & MASONRY - POROUS CMU & CONCRETE (CONTINUED)

System Number	WW.10.02
Description	Exterior Exposed
Type	Acrylic or Epoxy / Acrylic
Surface Preparation	Concrete: SSPC-SP13 / NACE 6, ICRI CSP 2-4 CMU: Clean and Dry
Primer	Series 130 Envirofill or 1254 EpoxoBlock at 60-80 sq ft/gal DFT
Intermediate	Series 180 or 181 W.B. Tneme-Crete at 4.0 to 8.0 mils DFT
Finish Coat	Series 180 or 181 W.B. Tneme-Crete at 4.0 to 8.0 mils DFT
Total DFT	8.0 to 16.0 mils (plus filler)

System Number	WW.10.03
Description	Exterior Exposed / Graffiti Protection
Type	RTV Silicone
Surface Preparation	SSPC-SP13 / NACE 6, Clean and Dry
Primer	Series 626 Dur A Pell GS at 65 to 300 sq ft/gal DFT
Finish Coat	Series 626 Dur A Pell GS at 100 to 300 sq ft/gal DFT
Total DFT	165 to 600 sq ft/gal

System Number	WW.10.04
Description	Interior Exposed
Type	Acrylic-Epoxy / Acrylic-Epoxy
Surface Preparation	Concrete: SSPC-SP13 / NACE 6, ICRI CSP 2-4 CMU: Clean and Dry
Primer	Series 130 Envirofill or 1254 EpoxoBlock at 60-80 sq ft/gal DFT
Intermediate	Series 113 or 114 H.B. Tneme-Tufcoat at 4.0 to 6.0 mils DFT
Finish Coat	Series 113 or 114 H.B. Tneme-Tufcoat at 4.0 to 6.0 mils DFT
Total DFT	8.0 to 12.0 mils (plus filler)

Carefully review product data sheets, along with related application guides, at www.tnemecc.com. Systems outlined in this guide are commonly used, however other system options are available depending on VOC regulations, application technique, aesthetics, and performance requirements. Review the coating system with a Tnemecc Representative prior to final selection. Reference Tnemecc's certified product listing at www.nsf.org for details on the maximum allowable DFT.

WW.10: CONCRETE & MASONRY - POROUS CMU & CONCRETE (CONTINUED)

System Number	WW.10.05
Description	Interior Exposed
Type	Acrylic or Epoxy / Epoxy
Surface Preparation	Concrete: SSPC-SP13 / NACE 6, ICRI CSP 2-4 CMU: Clean and Dry
Primer	Series 130 Envirofill or 1254 EpoxoBlock at 60 to 80 sq ft/gal DFT
Intermediate	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT*
Finish Coat	Series N69 Hi-Build Epoxoline II at 4.0 to 6.0 mils DFT*
Total DFT	8.0 to 12.0 mils (plus filler)

**Faster cure/low temperature alternatives or field additive may be available. Consult the product data sheet for information or contact your Tnemec representative.

System Number	WW.10.06
Description	Heavy Abuse
Type	100% Solids Fiber-Reinforced Epoxy
Surface Preparation	Concrete: SSPC-SP13 / NACE 6. ICRI CSP 3-4 CMU: SSPC-SP13 / NACE 6
Primer	Series 201 Epoxoprime at 6.0 to 8.0 mils DFT
Intermediate	Series 273 Stranlok ML at 20.0 to 25.0 mils DFT with reinforcing mat
Finish Coat	Series 280 Tneme-Glaze at 6.0 to 8.0 mils DFT
Total DFT	32.0 to 41.0 mils

Carefully review product data sheets, along with related application guides, at www.tnemec.com. Systems outlined in this guide are commonly used, however other system options are available depending on VOC regulations, application technique, aesthetics, and performance requirements. Review the coating system with a Tnemec Representative prior to final selection. Reference Tnemec's certified product listing at www.nsf.org for details on the maximum allowable DFT.

WW.11: INTERIOR GYPSUM WALLBOARD

System Number	WW.11.01
Description	Interior Exposed
Type	Waterborne Epoxy / Waterborne Acrylic Epoxy
Surface Preparation	Clean and Dry
Primer	Series 151-1051 Elasto-Grip FC at 1.0 - 2.0 mils DFT
Finish Coat	Series 113 H.B. Tneme-Tufcoat at 4.0 to 6.0 mils DFT
Total DFT	5.0 to 8.0 mils (plus filler)

System Number	WW.11.02
Description	Heavy Abuse
Type	Epoxy / Epoxy / Epoxy
Surface Preparation	Refer to Product Data Sheet
Primer	Series 201 Epoxoprime at 6.0 to 8.0 mils DFT
Intermediate	Series 270 Stranlok at 25.0 to 40.0 DFT or 273 Stranlok ML at 20.0 to 25.0 mils DFT with reinforcing mat
Finish Coat	Series 280 Tneme-Glaze at 6.0 to 8.0 mils DFT
Total DFT	37.0 to 56.0 mils or 32.0 to 41.0 mils (with reinforcing mat)

WW.12: WOOD

System Number	WW.12.01
Description	Interior or Exterior Exposed
Type	Alkyd or Waterborne Acrylic Epoxy / Acrylic
Surface Preparation	Clean and Dry
Primer	Series V10-99W Tneme Primer at 2.0 to 3.5 mils DFT or Series 151-1051 Elasto-Grip FC at 1.0 to 2.0 mils DFT
Finish Coat	Series 1026, 1028 or 1029 Enduratone at 2.0 to 3.0 mils DFT
Total DFT	4.0 to 6.5 mils or 3.0 to 5.0 mils

Carefully review product data sheets, along with related application guides, at www.tneme.com. Systems outlined in this guide are commonly used, however other system options are available depending on VOC regulations, application technique, aesthetics, and performance requirements. Review the coating system with a Tneme Representative prior to final selection. Reference Tneme's certified product listing at www.nsf.org for details on the maximum allowable DFT.