



SYSTEMS GUIDE

TO HIGH PERFORMANCE COATINGS FOR POTABLE WATER STORAGE TANKS

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Published technical data, instructions, and pricing are subject to change without notice. Contact your Tnemec technical representative for current technical data, instructions, and pricing. Warranty information: The service life of Tnemec's coatings will vary. For warranty, limitation of seller's liability, and product information, please refer to Tnemec's Product Data Sheets at www.tnemec.com or contact your Tnemec Technical Representative. 11/10/2015

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INNOVATION IN EVERY COAT.™

POTABLE WATER STORAGE TANKS: SELECTION GUIDE FOR COATINGS

INTERIOR STEEL- POTABLE WATER TANK

INTERIOR WET

AWWA D102 Paint System: ICS-5

System Type: Zinc-Rich Urethane/Epoxy/Epoxy
Surface Preparation: SSPC-SP10/NACE 2
Primer: Series 91-H₂O or 94-H₂O Hydro-Zinc, DFT 2.5 to 3.5 mils ^[1]
Intermediate Coat: Series N140 Pota-Pox Plus, DFT 4.0 to 6.0 mils ^{[1] [4] [15]}
Finish Coat: Series N140 Pota-Pox Plus, DFT 4.0 to 6.0 mils ^{[1] [4] [15]}
Total DFT: 10.5 to 15.5 mils

AWWA D102 Paint System: ICS-1

System Type: Epoxy/Epoxy
Surface Preparation: SSPC-SP10/NACE 2
Primer: Series N140 Pota-Pox Plus, DFT 3.0 to 5.0 mils ^{[1] [2] [15]}
Finish Coat: Series N140 Pota-Pox Plus, DFT 4.0 to 8.0 mils ^{[1] [4] [15]}
Total DFT: 7.0 to 13.0 mils

AWWA D102 Paint System: ICS-2

System Type: Epoxy/Epoxy/Epoxy
Surface Preparation: SSPC-SP10/NACE 2
Primer: Series N140 Pota-Pox Plus, DFT 3.0 to 5.0 mils ^{[1] [2]}
Intermediate Coat: Series N140 Pota-Pox Plus, DFT 3.0 to 5.0 mils ^{[1] [4]}
Finish Coat: Series N140 Pota-Pox Plus, DFT 4.0 to 6.0 mils ^{[1] [4]}
Total DFT: 10.0 to 16.0 mils

AWWA D102 Paint System: ICS-3

System Type: Zinc-Rich Urethane/Epoxy
Surface Preparation: SSPC-SP10/NACE 2
Primer: Series 91-H₂O or 94-H₂O Hydro-Zinc, DFT 2.5 to 3.5 mils ^[1]
Finish Coat: Series 22 or FC22 Epoxoline, DFT 20.0 to 30.0 mils
Total DFT: 22.5 to 33.5 mils

AWWA D102 Paint System: ICS-4

System Type: Zinc-Rich Urethane/Polyurethane
Surface Preparation: SSPC-SP10/NACE 2
Primer: Series 91-H₂O or 94-H₂O Hydro-Zinc, DFT 2.5 to 3.5 mils ^[1]
Finish Coat: Series 406 Elasto-Shield, DFT 25.0 to 30.0 mils
Total DFT: 27.5 to 33.5 mils

INTERIOR DRY

System Type: Zinc-Rich Urethane/Epoxy
Surface Preparation: SSPC-SP6/NACE 3
Primer: Series 91-H₂O, 94-H₂O Hydro-Zinc or Series 90-97 Tneme-Zinc, DFT 2.5 to 3.5 mils ^[1]
Finish Coat: Series N69 Hi-Build Epoxoline II, DFT 4.0 to 6.0 mils ^{[1] [4] [9]}
Total DFT: 6.5 to 9.0 mils with zinc primers

System Type: Epoxy/Epoxy
Surface Preparation: SSPC-SP6/NACE 3
Primer: Series N140 Pota-Pox Plus, DFT 3.0 to 5.0 mils ^{[1] [15]}
Finish Coat: Series N140 Pota-Pox Plus, DFT 4.0 to 8.0 mils ^{[1] [4] [15]}
Total DFT: 7.0 to 13.0 mils

Additional coating systems are available including those with low VOCs. Contact your Tnemec representative, refer to the product data sheets or visit www.tnemec.com for more information.

See back page for brief description of all listed products. Reference the product data sheet for details.



All interior wet systems listed are certified in accordance with ANSI/NSF Standard 61 for use inside potable water storage tanks. Additional colors are available.

1 Faster cure/low temperature alternative available. Consult the product data sheet for information.

Series N140	Series N140F
Series N69	Add 47-700 Accelerator
Series 73	Add 44-710 Accelerator
Series 1074 & 1075	Add 44-710 Accelerator
Series 90-97	Add 44-710 Accelerator
Series 91H ₂ O	Add 44-710 Accelerator
& 94-H ₂ O	
Series 700 & 701	Add 44-710 Accelerator
Series 1070, 1071	Add 44-710 Accelerator
& 1072	

2 Scarify the prime coat by brush-off blasting before topcoating if the primer has been exposed to sunlight for 60 days or longer.

3 System recommendations will vary depending on the generic type and condition of the existing system. Overcoat of aged coatings requires testing before application. Consult Tnemec for an overcoat risk assessment and specific recommendations. Request Technical Bulletin 98-10 or reference SSPC-TU3.

4 Brush or roller application may require additional coat(s) to achieve recommended film thickness and/or complete hiding.

5 For additional protection and extension of long-term weathering qualities, specify Series 1074U (gloss) or 1075U (semi-gloss).

6 Actual film thickness and/or spreading rate will depend on the porosity of the substrate.

7 To achieve complete finish coat coverage, the primer or intermediate coat color should be noticeably different than the finish coat color. A color slightly lighter than the finish coat is recommended.

8 Voids and surface imperfections should be filled with Series 215 Surfacing Epoxy or Series 218 MortarClad prior to application of the prime coat.

9 Series L69 or V69 may be substituted when lower VOC or HAPS levels are needed.

10 For superior water repellency in addition to color, use Series 636 or 664 prior to applying Series 607 or 617.

11 Reference SSPC-SP13/NACE 6 and ICRI Guideline No. 03732.

12 Galvanized Steel and Nonferrous Metal: Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services for information. Reference Technical Bulletin 10-78, ASTM D6386.

13 Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services. Reference Technical Bulletin 98-15.

14 The appropriate Tnemec system may vary depending on type of chemical, concentration and exposure temperatures. Refer to Tnemec "Chemical Resistance Guide" or consult Tnemec for specific recommendations.

15 Series L140 or V140 may be substituted when lower VOC or HAPS levels are desired.

POTABLE WATER STORAGE TANKS: SELECTION GUIDE FOR COATINGS

EXTERIOR STEEL- POTABLE WATER TANK

EXTERIOR

AWWA D102 Paint System: OCS-4

System Type: Zinc-Rich Urethane/Polyurethane/Fluoropolymer
Surface Preparation: SSPC-SP6/NACE 3
Primer: Series 91-H₂O, 94-H₂O Hydro-Zinc or Series 90-97 Tneme-Zinc, DFT 2.5 to 3.5 mils ^[1]
Intermediate Coat: Series 73 or 1075 Endura-Shield, DFT 2.0 to 3.0 mils ^{[1] [7]}
Finish Coat: Series 700, or 701 HydroFlon, DFT 2.0 to 3.0 mils ^[1]
Total DFT: 6.5 to 9.5 mils

AWWA D102 Paint System: OCS-5

System Type: Epoxy/Epoxy/Polyurethane
Surface Preparation: SSPC-SP6/NACE 3
Primer: Series N69 Hi-Build Epoxoline II, DFT 2.0 to 3.0 mils field primed, DFT 3.0 to 5.0 mils shop primed ^{[1] [9]}
Intermediate Coat: Series N69 Hi-Build Epoxoline II, DFT 2.0 to 3.0 mils ^{[1] [9]}
Finish Coat: Series 1074 Endura-Shield, DFT 2.0 to 3.0 mils ^{[1] [5]}
Total DFT: 6.0 to 11.0 mils

AWWA D102 Paint System: OCS-6

System Type: Zinc-Rich Urethane/Epoxy/Polyurethane
Surface Preparation: SSPC-SP6/NACE 3
Primer: Series 91-H₂O, 94-H₂O Hydro-Zinc or Series 90-97 Tneme-Zinc, DFT 2.5 to 3.5 mils ^[1]
Intermediate Coat: Series N69 Hi-Build Epoxoline II, DFT 2.0 to 3.0 mils ^{[1] [9]}
Finish Coat: Series 1074 Endura-Shield, DFT 2.0 to 3.0 mils ^{[1] [5]}
Total DFT: 6.5 to 9.5 mils

System Type: Acrylic/Acrylic/Acrylic (Dry-Fall Spray Application)
Surface Preparation: SSPC-SP6/NACE 3

Primer: Series 115 Uni-Bond or 30 Spra-Saf EN, DFT 2.0 to 4.0 mils
Intermediate Coat: Series 30 Spra-Saf EN, DFT 2.0 to 4.0 mils or 1028, 1029 Enduratone, DFT 2.0 to 3.0 mils
Finish Coat: Series 30 Spra-Saf EN, DFT 2.0 to 4.0 mils or 1028, 1029 Enduratone ^[7], DFT 2.0 to 3.0 mils
Total DFT: 6.0 to 11.0 or 6.0 to 12.0 mils

System Type: Zinc-Rich Urethane/Epoxy/Polyurethane
Surface Preparation: SSPC-SP6/NACE 3

Primer: Series 91-H₂O, 94-H₂O Hydro-Zinc or Series 90-97 Tneme-Zinc, DFT 2.5 to 3.5 ^[1]
Intermediate Coat: Series 27WB, DFT 3.0 to 6.0 mils ^[7]
Finish Coat: Series 1074 Endura-Shield, DFT 2.5 to 5.0 mils ^{[1] [5]}
Total DFT: 12.0 to 14.5 mils

Additional coating systems are available including those with low VOCs. Contact your Tnemec representative, refer to the product data sheets or visit www.tnemec.com for more information.

See back page for brief description of all listed products. Reference the product data sheet for details.



All interior wet systems listed are certified in accordance with ANSI/NSF Standard 61 for use inside potable water storage tanks. Additional colors are available.

¹ Faster cure/low temperature alternative available. Consult the product data sheet for information.

Series N140	Series N140F
Series N69	Add 47-700 Accelerator
Series 73	Add 44-710 Accelerator
Series 1074 & 1075	Add 44-710 Accelerator
Series 90-97	Add 44-710 Accelerator
Series 91H ₂ O	Add 44-710 Accelerator & 94-H ₂ O
Series 700 & 701	Add 44-710 Accelerator
Series 1070, 1071 & 1072	Add 44-710 Accelerator

² Scarify the prime coat by brush-off blasting before topcoating if the primer has been exposed to sunlight for 60 days or longer.

³ System recommendations will vary depending on the generic type and condition of the existing system. Overcoat of aged coatings requires testing before application. Consult Tnemec for an overcoat risk assessment and specific recommendations. Request Technical Bulletin 98-10 or reference SSPC-TU3.

⁴ Brush or roller application may require additional coat(s) to achieve recommended film thickness and/or complete hiding.

⁵ For additional protection and extension of long-term weathering qualities, specify Series 1074U (gloss) or 1075U (semi-gloss).

⁶ Actual film thickness and/or spreading rate will depend on the porosity of the substrate.

⁷ To achieve complete finish coat coverage, the primer or intermediate coat color should be noticeably different than the finish coat color. A color slightly lighter than the finish coat is recommended.

⁸ Voids and surface imperfections should be filled with Series 215 Surfacing Epoxy or Series 218 MortarClad prior to application of the prime coat.

⁹ Series L69 or V69 may be substituted when lower VOC or HAPS levels are needed.

¹⁰ For superior water repellency in addition to color, use Series 636 or 664 prior to applying Series 607 or 617.

¹¹ Reference SSPC-SP13/NACE 6 and ICRI Guideline No. 03732.

¹² Galvanized Steel and Nonferrous Metal: Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services for information. Reference Technical Bulletin 10-78, ASTM D6386.

¹³ Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services. Reference Technical Bulletin 98-15.

¹⁴ The appropriate Tnemec system may vary depending on type of chemical, concentration and exposure temperatures. Refer to Tnemec "Chemical Resistance Guide" or consult Tnemec for specific recommendations.

¹⁵ Series L140 or V140 may be substituted when lower VOC or HAPS levels are desired.

POTABLE WATER STORAGE TANKS: SELECTION GUIDE FOR COATINGS

EXTERIOR OVERCOAT SYSTEM

System Type: Acrylic/Acrylic (Dry-Fall Spray Application)
Surface Preparation: Contact Tnemec for recommendation. ^[3]
Primer: Series 115 Uni-Bond DF or 30 Spra-Saf EN, DFT 2.0 to 4.0 mils
Finish Coat: Series 30 Spra-Saf EN, DFT 2.0 to 4.0 mils
Total DFT: 4.0 to 8.0 mils

System Type: Acrylic/Acrylic (Dry-Fall Spray Application)
Surface Preparation: Contact Tnemec for recommendation. ^[3]
Primer: Series 115 Uni-Bond DF, DFT 2.0 to 4.0 mils or Series 118 Uni-Bond Mastic, DFT 6.0 to 8.0 mils
Finish Coat: Series 1028 Enduratone, DFT 2.0 to 3.0 mils
Total DFT: 4.0 to 7.0 mils

System Type: Epoxy/Polyurethane
Surface Preparation: Contact Tnemec for recommendation. ^[3]
Primer: Series 27 FC Typoxy, DFT 2.0 to 4.0 mils, or Series 27WB Typoxy or Series 135 Chembuild, DFT 3.0 to 6.0 mils
Finish Coat: Series 1074 Endura-Shield ^{[1][5]}, DFT 2.0 to 3.0 mils
Total DFT: 4.0 to 7.0 mils or 5.5 to 11.0 mils

CONCRETE - POTABLE WATER TANK

INTERIOR, WET

System Type: Epoxy/Epoxy/Epoxy
Surface Preparation: SSPC-SP13/NACE 6 - ICRI CSP 2-4 ^[11]
Primer: Series N140 Pota-Pox Plus, DFT 3.0 to 5.0 mils ^{[1][4][6][8][15]} (150 to 225 sq ft/gal)
Intermediate Coat: Series N140 Pota-Pox Plus, DFT 4.0 to 6.0 mils ^{[1][4][15]} (150 to 225 sq ft/gal)
Finish Coat: Series N140 Pota-Pox Plus, DFT 4.0 to 6.0 mils ^{[1][4][15]} (150 to 225 sq ft/gal)
Total DFT: 11.0 to 17.0 mils

System Type: Epoxy/Polyurethane
Surface Preparation: SSPC-SP13/NACE 6 - minimum ICRI CSP 5 ^[11]
Primer: Series N140 Pota-Pox Plus, DFT 4.0 to 6.0 mils ^{[1][4][6][8][15]} (150 to 225 sq ft/gal)
Finish Coat: Series 264 Elasto-Shield, DFT 50.0 mils minimum, or Series 406 Elasto-Shield, DFT 20.0 to 30.0 mils
Total DFT: 54.0 to 56.0 mils minimum or 24.0 to 36.0 mils (80 mil max per NSF/ANSI Std. 61 certification)

System Type: Epoxy/Epoxy
Surface Preparation: SSPC-SP13/NACE 6 - ICRI CSP 2-4 ^[11]
Primer: Series N140 Pota-Pox Plus, DFT 6.0 to 8.0 mils ^{[1][4][6][8][15]} (150 to 225 sq ft/gal)
Finish Coat: Series 22 Epoxoline or FC22 Epoxoline, DFT 20.0 to 30.0 mils ^{[1][4][15]} (150 to 225 sq ft/gal)
Total DFT: 26.0 to 34.0 mils

Additional coating systems are available including those with low VOCs. Contact your Tnemec representative, refer to the product data sheets or visit www.tnemec.com for more information.

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All interior wet systems listed are certified in accordance with ANSI/NSF Standard 61 for use inside potable water storage tanks. Additional colors are available.

¹ Faster cure/low temperature alternative available. Consult the product data sheet for information.

Series N140	Series N140F
Series N69	Add 47-700 Accelerator
Series 73	Add 44-710 Accelerator
Series 1074 & 1075	Add 44-710 Accelerator
Series 90-97	Add 44-710 Accelerator
Series 91H ₂ O & 94-H ₂ O	Add 44-710 Accelerator
Series 700 & 701	Add 44-710 Accelerator
Series 1070, 1071 & 1072	Add 44-710 Accelerator

² Scarify the prime coat by brush-off blasting before topcoating if the primer has been exposed to sunlight for 60 days or longer.

³ System recommendations will vary depending on the generic type and condition of the existing system. Overcoat of aged coatings requires testing before application. Consult Tnemec for an overcoat risk assessment and specific recommendations. Request Technical Bulletin 98-10 or reference SSPC-TU3.

⁴ Brush or roller application may require additional coat(s) to achieve recommended film thickness and/or complete hiding.

⁵ For additional protection and extension of long-term weathering qualities, specify Series 1074U (gloss) or 1075U (semi-gloss).

⁶ Actual film thickness and/or spreading rate will depend on the porosity of the substrate.

⁷ To achieve complete finish coat coverage, the primer or intermediate coat color should be noticeably different than the finish coat color. A color slightly lighter than the finish coat is recommended.

⁸ Voids and surface imperfections should be filled with Series 215 Surfacing Epoxy or Series 218 MortarClad prior to application of the prime coat.

⁹ Series L69 or V69 may be substituted when lower VOC or HAPS levels are needed.

¹⁰ For superior water repellency in addition to color, use Series 636 or 664 prior to applying Series 607 or 617.

¹¹ Reference SSPC-SP13/NACE 6 and ICRI Guideline No. 03732.

¹² Galvanized Steel and Nonferrous Metal: Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services for information. Reference Technical Bulletin 10-78, ASTM D6386.

¹³ Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services. Reference Technical Bulletin 98-15.

¹⁴ The appropriate Tnemec system may vary depending on type of chemical, concentration and exposure temperatures. Refer to Tnemec "Chemical Resistance Guide" or consult Tnemec for specific recommendations.

¹⁵ Series L140 or V140 may be substituted when lower VOC or HAPS levels are desired.

POTABLE WATER STORAGE TANKS: SELECTION GUIDE FOR COATINGS

CONCRETE - POTABLE WATER TANK (CONTINUED)

EXTERIOR

System Type: Acrylic/Acrylic
Surface Preparation: SSPC-SP13/NACE 6 ^[11]
Primer: Series 180 W.B. Tneme-Crete, DFT 4.0 to 8.0 mils
Finish Coat: Series 180 or 181 W.B. Tneme-Crete, DFT 4.0 to 8.0 mils
Total DFT: 8.0 to 16.0 mils

System Type: Acrylate
Surface Preparation: SSPC-SP13/NACE 6 ^[11]
Primer: Series 156 Enviro-Crete, DFT 4.0 to 8.0 mils
Finish Coat: Series 156 Enviro-Crete, DFT 4.0 to 8.0 mils or Series 157 Enviro-Crete, 6.0 to 9.0 mils
Total DFT: 8.0 to 16.0 mils or 10.0 to 17.0 mils

System Type: Silane/Silane/Siloxane Blend
Surface Preparation: Clean and Dry
Finish Coat: Series 636 Dur A Pell 20 or Series 662 Prime A Pell Plus, DFT 125 to 200 sq ft/gal ^[6]
Total DFT: 125 to 200 sq ft/gal

System Type: Acrylic Stain
Surface Preparation: Clean and Dry
Finish Coat: Series 607 or 617 Conformal Stain ^[10], DFT 100 to 200 sq ft/gal ^[6]
Total DFT: 1.0 to 2.5 mils

EXTERIOR, PREVIOUSLY PAINTED ³

System Type: Acrylic
Surface Preparation: Contact Tnemec for recommendation. ^[3]
Primer: Series 180 or 181 W.B. Tneme-Crete, DFT 4.0 to 8.0 mils
Finish Coat: Series 180 or 181 W.B. Tneme-Crete, DFT 4.0 to 8.0 mils
Total DFT: 8.0 to 16.0 mils

System Type: Acrylate
Surface Preparation: Contact Tnemec for recommendation. ^[3]
Primer: Series 151-1051 Elasto-Grip FC, DFT 0.6 to 2.5 mils
Intermediate Coat: Series 156 or 157 Enviro-Crete, DFT 4.0 to 6.0 mils
Finish Coat: Series 156 or 157 Enviro-Crete, DFT 4.0 to 6.0 mils
Total DFT: 8.6 to 14.5 mils

EXTERIOR FOR GRAFFITI PROTECTION

System Type: RTV Silicone
Surface Preparation: Clean and Dry
Primer: Series 626 Dur A Pell GS, DFT 200 to 300 sq ft/gal ^[6]
Finish Coat: Series 626 Dur A Pell GS, DFT 200 to 300 sq ft/gal ^[6]
Total DFT: Penetrating coating system, no DFT recommended.

Additional coating systems are available including those with low VOCs. Contact your Tnemec representative, refer to the product data sheets or visit www.tnemec.com for more information.

See back page for brief description of all listed products. Reference the product data sheet for details.



All interior wet systems listed are certified in accordance with ANSI/NSF Standard 61 for use inside potable water storage tanks. Additional colors are available.

¹ Faster cure/low temperature alternative available. Consult the product data sheet for information.

Series N140	Series N140F
Series N69	Add 47-700 Accelerator
Series 73	Add 44-710 Accelerator
Series 1074 & 1075	Add 44-710 Accelerator
Series 90-97	Add 44-710 Accelerator
Series 91H ₂ O	Add 44-710 Accelerator
& 94-H ₂ O	
Series 700 & 701	Add 44-710 Accelerator
Series 1070, 1071	Add 44-710 Accelerator
& 1072	

² Scarify the prime coat by brush-off blasting before topcoating if the primer has been exposed to sunlight for 60 days or longer.

³ System recommendations will vary depending on the generic type and condition of the existing system. Overcoat of aged coatings requires testing before application. Consult Tnemec for an overcoat risk assessment and specific recommendations. Request Technical Bulletin 98-10 or reference SSPC-TU3.

⁴ Brush or roller application may require additional coat(s) to achieve recommended film thickness and/or complete hiding.

⁵ For additional protection and extension of long-term weathering qualities, specify Series 1074U (gloss) or 1075U (semi-gloss).

⁶ Actual film thickness and/or spreading rate will depend on the porosity of the substrate.

⁷ To achieve complete finish coat coverage, the primer or intermediate coat color should be noticeably different than the finish coat color. A color slightly lighter than the finish coat is recommended.

⁸ Voids and surface imperfections should be filled with Series 215 Surfacing Epoxy or Series 218 MortarClad prior to application of the prime coat.

⁹ Series L69 or V69 may be substituted when lower VOC or HAPS levels are needed.

¹⁰ For superior water repellency in addition to color, use Series 636 or 664 prior to applying Series 607 or 617.

¹¹ Reference SSPC-SP13/NACE 6 and ICRI Guideline No. 03732.

¹² Galvanized Steel and Nonferrous Metal: Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services for information. Reference Technical Bulletin 10-78, ASTM D6386.

¹³ Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services. Reference Technical Bulletin 98-15.

¹⁴ The appropriate Tnemec system may vary depending on type of chemical, concentration and exposure temperatures. Refer to Tnemec "Chemical Resistance Guide" or consult Tnemec for specific recommendations.

¹⁵ Series L140 or V140 may be substituted when lower VOC or HAPS levels are desired.

POTABLE WATER STORAGE TANKS: SELECTION GUIDE FOR COATINGS

SERIES 22 OR FC22 EPOXOLINE®

Modified Polyamine Epoxy

An advanced generation, 100% solids, high-build epoxy for the protection of steel and concrete. It provides excellent resistance to abrasion and is suitable for immersion service.

SERIES 27 F.C. OR 27WB TYPOXY®

Epoxy Polyamide Coating

A versatile low-temperature coating ideally suited for fabrication and OEM application. Also widely used as a field tie-coat. Provides fast curing and rapid handling capabilities.

SERIES 30 SPRA-SAF EN®

Hydrophobic Acrylic Polymer

A direct-to-metal coating with early flash-rust resistance, long term corrosion, and weathering properties. Mildew resistant. Provides good gloss and color retention.

SERIES 44 ACCELERATORS

Epoxy Accelerator and Urethane Accelerator

44-700 Epoxy Accelerator and 44-710 Urethane Accelerator are special additives used to quicken the cure rate of several Tnemec coatings plus allow application in cooler temperatures. Series N69 Hi-Build Epoxoline II can be accelerated with 44-700. 90-97 Tneme-Zinc and Series 73, 1074 and 1075 Endura-Shield can be accelerated with 44-710.

SERIES N69 HI-BUILD EPOXOLINE® II

Polyamidoamine Epoxy Coating

High-solids epoxy with performance characteristics similar to Series 66 Hi-Build Epoxoline. Series N69 can be combined with 44-700 Epoxy Accelerator for rapid cure and cold temperature applications.

SERIES 73, 1074 & 1075 ENDURA-SHIELD®

High-Build Acrylic Polyurethane Coatings

Long-lasting, durable exterior finishes available in a virtually unlimited color range. High-build characteristics allow for single-coat coverage of 5.0 dry mils when spray-applied. Also used as conventional roller/brush/spray-applied coatings at 2.0 to 3.0 mils dry. Specify 1074U and 1075U for additional protection from UV light.

SERIES 90-97 TNEME-ZINC™

Zinc-Rich Urethane Primer

Organic zinc-rich primer that affords galvanic and barrier protection. Can be mixed with 44-710 Urethane Accelerator for low-temperature and rapid-cure requirements.

SERIES 91-H₂O HYDRO-ZINC®

Moisture-Cured Zinc-Rich Primer

Two-component, steel primer for interior and exterior surfaces of potable water storage tanks and reservoirs. Certified in accordance with ANSI/NSF Std. 61 for potable water contact. May be topcoated same day with other Tnemec potable water coatings, when cured at temperatures down to 35°F (2°C).

SERIES 94-H₂O HYDRO-ZINC®

Aromatic Urethane, Zinc-Rich

Single-component, moisture-cured, zinc-rich steel primer for interior and exterior surfaces of potable water storage tanks and other steel surfaces. Certified in accordance with ANSI/NSF Std. 61 for potable water contact. It cures quickly and offers rapid recoat at surface temperatures down to 35°F (2°C).

SERIES 115 UNI-BOND DF™

Self-Crosslinking Acrylic

One-coat, flash-rust and corrosion resistant primer/finish for dry interior overheads. Use on carbon and galvanized steel, aluminum, wood and concrete decks, beams, joists and HVAC. Will dry-fast under certain conditions.

SERIES 118 UNI-BOND MASTIC™

Mastic Waterborne Acrylic

A high-build, rust-inhibitive, elastomeric coating formulated for exceptional adhesion and corrosion resistance over minimally prepared aged coating systems. Excellent choice for projects where abrasive blast cleaning of the substrate is not possible and an anti-corrosive coating is needed. Accepts a variety of high-performance topcoats for the creation of a long-term protective and aesthetic coating system.

SERIES N140 POTA-POX® PLUS

High Solids Epoxy Coating

Optional high-build properties providing added barrier protection particularly on edges, weld seams and pits. When used with 44-700 Epoxy Accelerator, Series N140 can be applied to substrates with temperatures as low as 35°F (2°C).

SERIES 151-1051 ELASTO-GRIP® FC

Waterborne Modified Polyamine Epoxy

Penetrating, flexible and low odor primer for sealing cementitious and other porous substrates. Also excellent as a tie-coat over sound existing coatings.

SERIES 156 & 157 ENVIRO-CRETE®

Waterborne Acrylate Elastomeric Coatings

Water-based coatings provide excellent protection against driving rain, UV light and alternate freeze-thaw cycles. Inherent flexibility allows these coatings to expand and contract with minor substrate movement. Self-priming and available in smooth, textured and extra finishes in a variety of colors.

SERIES 180 & 181 W.B. TNEME-CRETE®

Acrylic Emulsion Coatings

High-build, water-based coatings provide long-term protection against weather, driving rain and alternate freeze-thawing. Available in smooth or textured finishes and a variety of colors.

SERIES 264 ELASTO-SHIELD®

Modified Polyurethane

Flexible liner providing a seamless monolithic membrane for use in potable water basins, steel tank floors and reservoirs.

SERIES 406 ELASTO-SHIELD®

Aromatic Polyurethane Hybrid

Fast-setting, monolithic coating providing a durable polyurethane lining in a single-coat, multi-pass spray application applied with plural component equipment. Provides excellent chemical, thermal shock and abrasion resistance.

SERIES 607 CONFORMAL™ STAIN

Methylmethacrylate Acrylic

Penetrating, solvent based masonry stain for horizontal concrete and virtually all vertical, above-grade masonry substrates. Exhibits excellent color stability and is designed not to peel or flake when applied to a properly prepared substrate. Specify Series 617 for water-based masonry stain.

SERIES 626 DUR A PELL GS™

RTV Silicon Rubber

Provides a clear, non-sacrificial, penetrating barrier against graffiti, as well as water repellancy on all uncoated masonry substrates. Formulated to provide superior protection against and easy removal of, unwanted graffiti. This product is intended for use in conjunction with Series 680 Mark A Way to provide a complete Graffiti Protection System.

SERIES 636 DUR A PELL 20™

Silane/Siloxane Blend

A water-based, clear, filmless, penetrating water repellent for virtually all above-grade, vertical and horizontal masonry substrates. The solution penetrates the substrate and chemically reacts to create a powerful barrier against water penetration. This barrier is resistant to ultraviolet and weather deterioration.

SERIES 662 PRIME-A-PELL® PLUS

Modified Siloxane/Silane with Diffused Quartz Carbide

Clear, filmless, penetrating repellent for virtually all above grade vertical and horizontal masonry substrates. The solution penetrates the substrate and chemically reacts to create a powerful barrier against water penetration. This barrier is resistant to ultraviolet and weather deterioration. Resists water and chloride ion intrusion, stain damage, freeze/thaw spalling, efflorescence and rust damage.

SERIES 700, V700, 701 & V701 HYDROFLON®

Fluoropolymer

An exterior finish coat especially designed for tanks and structural steel. HydroFlon has outstanding resistance to ultraviolet light degradation providing unprecedented long-term gloss and color retention with excellent resistance to abrasion and chalking.

POTABLE WATER STORAGE TANKS: SELECTION GUIDE FOR COATINGS

SERIES 1028 & 1029 ENDURATONE®

HDP Acrylic Polymer

Water-based, low VOC, high dispersion pure acrylic polymer coatings providing excellent long term protection in both interior and exterior exposures. May be applied by spray, brush or roller over a variety of solvent and waterborne steel primers. Mildew resistant and exhibits very good gloss and color stability.