



ISO 12944 Coating Systems Guide

Oil & Gas

C5 I/M Environment as defined in ISO 12944-2:1998. Very High Corrosivity - Marine and Industrial environments

Coating systems for High Durability > 15 years for first major maintenance as defined in ISO 12944-1:1998

System broad type	Epoxy zinc rich						Epoxy barrier						Ultra tolerance	
System label	Match		Enhanced		Premium Global		Match		Enhanced		Premium Global		Premium Global	
Description	Fabrication coating system with ISO 12944 compliant zinc load (80% zinc in dry film).		Enhanced abrasion resistance all-seasons system. Fast throughput from -5°C up to tropical use.		ISO 12944 compliance with Global Sherwin-Williams products. Mid coat available in full colour range.		A fast drying zinc phosphate fabrication system that can be shop or site applied.		Enhanced abrasion resistance all-seasons system. Fast throughput from -5°C up to tropical use.		ISO 12944 compliance using Global Sherwin-Williams products. Primer available in full colour range.		Solventless (97%sv), tolerates low profile and dampness, no dew point restrictions.	
		DFT		DFT		DFT		DFT		DFT		DFT		DFT
Primer	Zinc Clad M501	60	Zinc Clad IV	60	Zinc Clad IV	60	Macropoxy C400V3	250	Macropoxy 5400	250	Macropoxy 646	250	Dura-Plate 301	250
Intermediate	Macropoxy C400 MIO	185	Macropoxy 5400	160	Macropoxy 646	160	-	-	-	-	-	-	-	-
Finish	Acrolon Series*	75	Acrolon Series*	60	Acrolon Series*	60	Acrolon Series*	70	Acrolon Series*	70	Acrolon Series*	70	Acrolon Series*	70
	Three coats, 320 microns		Three coats, 280 microns		Three coats, 280 microns		Two coats, 320 microns		Two coats, 320 microns		Two coats, 320 microns		Two coats, 320 microns	

Surface Preparation

Dry Abrasive blasting (EN ISO 8501-1:2007)	Sa 2½		Sa 2½	
Wet Abrasive Blasting (SSPC Vis5-NACE Vis9)	Not recommended		WAB 10	
UHP Water Jetting (EN ISO 8501-4:2006)	Not recommended		Wa 2½	
Mechanical treatment (EN ISO 8501-1:2007)	Not recommended		Not recommended	

Surface Condition

Surface profile	50-75 microns		50-75 microns		No profile restrictions	
Surface humidity	Must be dry, T > Dew Point + 3°C		Must be dry, T > Dew Point + 3°C		No dew point restrictions	
Relative humidity	< 85%		< 85%		No limitation	
Flash Rust (according to ISO 8501-4:2006)	None		"L" (Low)		"M" (Medium)	

Notes on this Specification

- ISO12944 states that Durability is not a guarantee time. Durability should be considered as the coating design life, where regular minor maintenance should be scheduled to achieve the required life to first major maintenance.
- Additional number of coats for the same total DFT may be required for compliance with specific local standards depending on location and asset owner regulations.
- Each of the products in the above systems are compatible with each other. Consult SW Technical Customer Service department for bespoke specifications.
- Polyurethane top coat may be replaced by epoxy top coat if UV resistance is not required. Contact SW for guidance on how to adapt coating systems in this case.
- NDFT: all dry film thickness figures refer to Nominal Dry Film Thickness (NDFT) as defined in EN ISO 12944
- The same material is used for site touch up following suitable cleaning and re-preparation of affected areas.
- All materials should be obtained from Sherwin-Williams and must be applied in accordance with our technical data sheets.
- Acrolon Series*, Macropoxy C88 and Macropoxy 646 are available in a full range of colours. Macropoxy 5400, Macropoxy C400V3 and Dura-Plate 301 are available in a limited range of colours.
- All epoxy coatings may discolour and chalk progressively if exposed to sun light (Macropoxy C400V3, Macropoxy C88, Macropoxy 646, Dura-Plate 301W, Macropoxy 5400).
- Subject to shade, two coats of the finish coat may be required for full colour obliteration.
- Stripe coat all edges, welds and areas of difficult access, to ensure full film thickness.
- For fire protection systems, please contact Sherwin-Williams.
- Maintenance specifications are not covered by ISO12944 therefore the reference to UHP, WAB or mechanical preparation to St3 are not within scope of the standard. Compatibility with such alternative surface preparation methods are stated for a restricted number of coating systems only, reflecting Sherwin-Williams own experience for a limited number of exposure/durability combinations.

*Acrolon 218HS or Acrolon 7300 are available polyurethane top coats. Acrolon 1850 is an isocyanate-free option. Contact Sherwin/ Williams technical services for further advice on top coat choice depending on requirements and location.

C5 I/M Environment as defined in ISO 12944-2:1998. Very High Corrosivity - Marine and Industrial environments

Coating systems for Medium Durability 5-15 years for first major maintenance as defined in ISO 12944-1:1998

System broad type	Epoxy zinc rich						Epoxy barrier						Ultra tolerance	
System label	Match		Enhanced		Premium Global		Match		Enhanced		Premium Global		Premium Global	
Description	Fabrication coating system with ISO 12944 compliant zinc load (80% zinc in dry film).		Enhanced abrasion resistance all-seasons system. Fast throughput from -5°C up to tropical use.		ISO 12944 compliance with Global Sherwin-Williams products. Mid coat available in full colour range.		A fast drying zinc phosphate fabrication system that can be shop or site applied.		Enhanced abrasion resistance all-seasons system. Fast throughput from -5°C up to tropical use.		ISO 12944 compliance using Global Sherwin-Williams products. Primer available in full colour range.		Solventless (97%sv), tolerates low profile and dampness, no dew point restrictions.	
		DFT		DFT		DFT		DFT		DFT		DFT		DFT
Primer	Zinc Clad M501	60	Zinc Clad IV	60	Zinc Clad IV	60	Macropoxy C400V3	225	Macropoxy 5400	225	Macropoxy 646	225	Dura-Plate 301	225
Intermediate	Macropoxy C400 MIO	110	Macropoxy 5400	110	Macropoxy 646	110	-	-	-	-	-	-	-	-
Finish	Acrolon Series*	70	Acrolon Series*	70	Acrolon Series*	70	Acrolon Series*	75	Acrolon Series*	75	Acrolon Series*	75	Acrolon Series*	75
	Three coats, 240 microns		Three coats, 240 microns		Three coats, 240 microns		Two coats, 300 microns		Two coats, 300 microns		Two coats, 300 microns		Two coats, 300 microns	

Surface Preparation

Dry Abrasive blasting (EN ISO 8501-1:2007)	Sa 2½		Sa 2½	
Wet Abrasive Blasting (SSPC Vis5-NACE Vis9)	Not recommended		WAB 10	
UHP Water Jetting (EN ISO 8501-4:2006)	Not recommended		Wa 2½	
Mechanical treatment (EN ISO 8501-1:2007)	Not recommended		Not recommended	

Surface Condition

Surface profile	50-75 microns		50-75 microns		No profile restrictions	
Surface humidity	Must be dry, T > Dew Point + 3°C		Must be dry, T > Dew Point + 3°C		No dew point restrictions	
Relative humidity	< 85%		< 85%		No limitation	
Flash Rust (according to ISO 8501-4:2006)	None		"L" (Low)		"M" (Medium)	

Notes on this Specification

- ISO12944 states that Durability is not a guarantee time. Durability should be considered as the coating design life, where regular minor maintenance should be scheduled to achieve the required life to first major maintenance.
- Additional number of coats for the same total DFT may be required for compliance with specific local standards depending on location and asset owner regulations.
- Each of the products in the above systems are compatible with each other. Consult SW Technical Customer Service department for bespoke specifications.
- Polyurethane top coat may be replaced by epoxy top coat if UV resistance is not required. Contact SW for guidance on how to adapt coating systems in this case.
- NDFT: all dry film thickness figures refer to Nominal Dry Film Thickness (NDFT) as defined in EN ISO 12944
- The same material is used for site touch up following suitable cleaning and re-preparation of affected areas.
- All materials should be obtained from Sherwin-Williams and must be applied in accordance with our technical data sheets.
- Acrolon Series*, Macropoxy C88 and Macropoxy 646 are available in a full range of colours. Macropoxy 5400, Macropoxy C400V3 and Dura-Plate 301 are available in a limited range of colours.
- All epoxy coatings may discolour and chalk progressively if exposed to sun light (Macropoxy C400V3, Macropoxy C88, Macropoxy 646, Dura-Plate 301W, Macropoxy 5400).
- Subject to shade, two coats of the finish coat may be required for full colour obliteration.
- Stripe coat all edges, welds and areas of difficult access, to ensure full film thickness.
- For fire protection systems, please contact Sherwin-Williams.
- Maintenance specifications are not covered by ISO12944 therefore the reference to UHP, WAB or mechanical preparation to St3 are not within scope of the standard. Compatibility with such alternative surface preparation methods are stated for a restricted number of coating systems only, reflecting Sherwin-Williams own experience for a limited number of exposure/durability combinations.

*Acrolon 218HS or Acrolon 7300 are available polyurethane top coats. Acrolon 1850 is an isocyanate-free option. Contact Sherwin/ Williams technical services for further advice on top coat choice depending on requirements and location.

C4 Environment as defined in ISO 12944-2:1998. High Corrosivity - Marine and Industrial environments

Coating systems for High Durability > 15 years for first major maintenance as defined in ISO 12944-1:1998

System broad type	Epoxy zinc rich						Epoxy barrier						Ultra tolerance	
System label	Match		Enhanced		Premium Global		Match		Enhanced		Premium Global		Premium Global	
Description	Fabrication coating system with ISO 12944 compliant zinc load (80% zinc in dry film).		Enhanced abrasion resistance all-seasons system. Fast throughput from -5°C up to tropical use.		ISO 12944 compliance with Global Sherwin-Williams products. Mid coat available in full colour range.		A fast drying zinc phosphate fabrication system that can be shop or site applied.		Enhanced abrasion resistance all-seasons system. Fast throughput from -5°C up to tropical use.		ISO 12944 compliance using Global Sherwin-Williams products. Primer available in full colour range.		Solventless (97%sv), tolerates low profile and dampness, no dew point restrictions.	
		DFT		DFT		DFT		DFT		DFT		DFT		DFT
Primer	Zinc Clad M501	60	Zinc Clad IV	60	Zinc Clad IV	60	Macropoxy C400V3	230	Macropoxy 5400	230	Macropoxy 646	230	Dura-Plate 301	230
Intermediate	Macropoxy C400 MIO	130	Macropoxy 5400	130	Macropoxy 646	130	-	-	-	-	-	-	-	-
Finish	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50
	Three coats, 240 microns		Three coats, 240 microns		Three coats, 240 microns		Two coats, 280 microns		Two coats, 280 microns		Two coats, 280 microns		Two coats, 280 microns	

Surface Preparation

Dry Abrasive blasting (EN ISO 8501-1:2007)	Sa 2½		Sa 2½	
Wet Abrasive Blasting (SSPC Vis5-NACE Vis9)	Not recommended		WAB 10	
UHP Water Jetting (EN ISO 8501-4:2006)	Not recommended		Wa 2½	
Mechanical treatment (EN ISO 8501-1:2007)	Not recommended		Not recommended	

Surface Condition

Surface profile	50-75 microns		50-75 microns		No profile restrictions	
Surface humidity	Must be dry, T > Dew Point + 3°C		Must be dry, T > Dew Point + 3°C		No dew point restrictions	
Relative humidity	< 85%		< 85%		No limitation	
Flash Rust (according to ISO 8501-4:2006)	None		"L" (Low)		"M" (Medium)	

Notes on this Specification

- ISO12944 states that Durability is not a guarantee time. Durability should be considered as the coating design life, where regular minor maintenance should be scheduled to achieve the required life to first major maintenance.
- Additional number of coats for the same total DFT may be required for compliance with specific local standards depending on location and asset owner regulations.
- Each of the products in the above systems are compatible with each other. Consult SW Technical Customer Service department for bespoke specifications.
- Polyurethane top coat may be replaced by epoxy top coat if UV resistance is not required. Contact SW for guidance on how to adapt coating systems in this case.
- NDFT: all dry film thickness figures refer to Nominal Dry Film Thickness (NDFT) as defined in EN ISO 12944
- The same material is used for site touch up following suitable cleaning and re-preparation of affected areas.
- All materials should be obtained from Sherwin-Williams and must be applied in accordance with our technical data sheets.
- Acrolon Series*, Macropoxy C88 and Macropoxy 646 are available in a full range of colours. Macropoxy 5400, Macropoxy C400V3 and Dura-Plate 301 are available in a limited range of colours.
- All epoxy coatings may discolour and chalk progressively if exposed to sun light (Macropoxy C400V3, Macropoxy C88, Macropoxy 646, Dura-Plate 301W, Macropoxy 5400).
- Subject to shade, two coats of the finish coat may be required for full colour obliteration.
- Stripe coat all edges, welds and areas of difficult access, to ensure full film thickness.
- For fire protection systems, please contact Sherwin-Williams.
- Maintenance specifications are not covered by ISO12944 therefore the reference to UHP, WAB or mechanical preparation to St3 are not within scope of the standard. Compatibility with such alternative surface preparation methods are stated for a restricted number of coating systems only, reflecting Sherwin-Williams own experience for a limited number of exposure/durability combinations.

*Acrolon 218HS or Acrolon 7300 are available polyurethane top coats. Acrolon 1850 is an isocyanate-free option. Contact Sherwin/ Williams technical services for further advice on top coat choice depending on requirements and location.

C4 Environment as defined in ISO 12944-2:1998. High Corrosivity - Marine and Industrial environments

Coating systems for Medium Durability 5-15 years for first major maintenance as defined in ISO 12944-1:1998

System broad type	Epoxy zinc rich						Epoxy barrier						Ultra tolerance	
System label	Match		Enhanced		Premium Global		Match		Enhanced		Premium Global		Premium Global	
Description	Fabrication coating system with ISO 12944 compliant zinc load (80% zinc in dry film).		Enhanced abrasion resistance all-seasons system. Fast throughput from -5°C up to tropical use.		ISO 12944 compliance with Global Sherwin-Williams products. Mid coat available in full colour range.		A fast drying zinc phosphate fabrication system that can be shop or site applied.		Enhanced abrasion resistance all-seasons system. Fast throughput from -5°C up to tropical use.		ISO 12944 compliance using Global Sherwin-Williams products. Primer available in full colour range.		Solventless (97%sv), tolerates low profile and dampness, no dew point restrictions.	
		DFT		DFT		DFT		DFT		DFT		DFT		DFT
Primer	Zinc Clad M501	60	Zinc Clad IV	60	Zinc Clad IV	60	Macropoxy C400V3	190	Macropoxy 5400	190	Macropoxy 646	190	Dura-Plate 301	190
Intermediate	Macropoxy C400 MIO	90	Macropoxy 5400	90	Macropoxy 646	90	-	-	-	-	-	-	-	-
Finish	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50
	Three coats, 200 microns		Three coats, 200 microns		Three coats, 200 microns		Two coats, 240 microns		Two coats, 240 microns		Two coats, 240 microns		Two coats, 240 microns	

Surface Preparation

Dry Abrasive blasting (EN ISO 8501-1:2007)	Sa 2½		Sa 2½	
Wet Abrasive Blasting (SSPC Vis5-NACE Vis9)	Not recommended		WAB 10	
UHP Water Jetting (EN ISO 8501-4:2006)	Not recommended		Wa 2½	
Mechanical treatment (EN ISO 8501-1:2007)	Not recommended		Not recommended	

Surface Condition

Surface profile	50-75 microns		50-75 microns		No profile restrictions	
Surface humidity	Must be dry, T > Dew Point + 3°C		Must be dry, T > Dew Point + 3°C		No dew point restrictions	
Relative humidity	< 85%		< 85%		No limitation	
Flash Rust (according to ISO 8501-4:2006)	None		"L" (Low)		"M" (Medium)	

Notes on this Specification

- ISO12944 states that Durability is not a guarantee time. Durability should be considered as the coating design life, where regular minor maintenance should be scheduled to achieve the required life to first major maintenance.
- Additional number of coats for the same total DFT may be required for compliance with specific local standards depending on location and asset owner regulations.
- Each of the products in the above systems are compatible with each other. Consult SW Technical Customer Service department for bespoke specifications.
- Polyurethane top coat may be replaced by epoxy top coat if UV resistance is not required. Contact SW for guidance on how to adapt coating systems in this case.
- NDFT: all dry film thickness figures refer to Nominal Dry Film Thickness (NDFT) as defined in EN ISO 12944
- The same material is used for site touch up following suitable cleaning and re-preparation of affected areas.
- All materials should be obtained from Sherwin-Williams and must be applied in accordance with our technical data sheets.
- Acrolon Series*, Macropoxy C88 and Macropoxy 646 are available in a full range of colours. Macropoxy 5400, Macropoxy C400V3 and Dura-Plate 301 are available in a limited range of colours.
- All epoxy coatings may discolour and chalk progressively if exposed to sun light (Macropoxy C400V3, Macropoxy C88, Macropoxy 646, Dura-Plate 301W, Macropoxy 5400).
- Subject to shade, two coats of the finish coat may be required for full colour obliteration.
- Stripe coat all edges, welds and areas of difficult access, to ensure full film thickness.
- For fire protection systems, please contact Sherwin-Williams.
- Maintenance specifications are not covered by ISO12944 therefore the reference to UHP, WAB or mechanical preparation to St3 are not within scope of the standard. Compatibility with such alternative surface preparation methods are stated for a restricted number of coating systems only, reflecting Sherwin-Williams own experience for a limited number of exposure/durability combinations.

*Acrolon 218HS or Acrolon 7300 are available polyurethane top coats. Acrolon 1850 is an isocyanate-free option. Contact Sherwin/ Williams technical services for further advice on top coat choice depending on requirements and location.

C3 Environment as defined in ISO 12944-2:1998. Medium Corrosivity - Marine and Industrial environments

Coating systems for High Durability > 15 years for first major maintenance as defined in ISO 12944-1:1998

System broad type	Epoxy zinc rich						Epoxy barrier						Ultra tolerance	
System label	Match		Enhanced		Premium Global		Match		Enhanced		Premium Global		Premium Global	
Description	Fabrication coating system with ISO 12944 compliant zinc load (80% zinc in dry film).		Norsok M501-approved zinc primer for enhanced performance. Epoxy finish available in full colour range.		ISO 12944 compliance with Global Sherwin-Williams products. Top coat available in full colour range.		A fast drying zinc phosphate fabrication system that can be shop or site applied.		Enhanced abrasion resistance all-seasons system. Fast throughput from -5°C up to tropical use.		ISO 12944 compliance using Global Sherwin-Williams products. Primer available in full colour range.		Solventless (97%sv), tolerates low profile and dampness, no dew point restrictions.	
		DFT		DFT		DFT		DFT		DFT		DFT		DFT
Primer	Zinc Clad M501	60	Zinc Clad IV	60	Zinc Clad IV	60	Macropoxy C400V3	150	Macropoxy 5400	150	Macropoxy 646	150	Dura-Plate 301	150
Intermediate	Macropoxy C88	100	Macropoxy C88	100	Macropoxy 646	100	-	-	-	-	-	-	-	-
Finish	-	-	-	-	-	-	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50
	Two coats, 160 microns		Two coats, 160 microns		Two coats, 160 microns		Two coats, 200 microns		Two coats, 200 microns		Two coats, 200 microns		Two coats, 200 microns	

Surface Preparation

Dry Abrasive blasting (EN ISO 8501-1:2007)	Sa 2½	Sa 2½	Sa 2½
Wet Abrasive Blasting (SSPC Vis5-NACE Vis9)	Not recommended	WAB 10	WAB 6
UHP Water Jetting (EN ISO 8501-4:2006)	Not recommended	Wa 2½	Wa2
Mechanical treatment (EN ISO 8501-1:2007)	Not recommended	Not recommended	Not recommended

Surface Condition

Surface profile	50-75 microns	50-75 microns	No profile restrictions
Surface humidity	Must be dry, T > Dew Point + 3°C	Must be dry, T > Dew Point + 3°C	No dew point restrictions
Relative humidity	< 85%	< 85%	No limitation
Flash Rust (according to ISO 8501-4:2006)	None	"L" (Low)	"M" (Medium)

Notes on this Specification

- ISO12944 states that Durability is not a guarantee time. Durability should be considered as the coating design life, where regular minor maintenance should be scheduled to achieve the required life to first major maintenance.
- Additional number of coats for the same total DFT may be required for compliance with specific local standards depending on location and asset owner regulations.
- Each of the products in the above systems are compatible with each other. Consult SW Technical Customer Service department for bespoke specifications.
- Polyurethane top coat may be replaced by epoxy top coat if UV resistance is not required. Contact SW for guidance on how to adapt coating systems in this case.
- NDFT: all dry film thickness figures refer to Nominal Dry Film Thickness (NDFT) as defined in EN ISO 12944
- The same material is used for site touch up following suitable cleaning and re-preparation of affected areas.
- All materials should be obtained from Sherwin-Williams and must be applied in accordance with our technical data sheets.
- Acrolon Series*, Macropoxy C88 and Macropoxy 646 are available in a full range of colours. Macropoxy 5400, Macropoxy C400V3 and Dura-Plate 301 are available in a limited range of colours.
- All epoxy coatings may discolour and chalk progressively if exposed to sun light (Macropoxy C400V3, Macropoxy C88, Macropoxy 646, Dura-Plate 301W, Macropoxy 5400).
- Subject to shade, two coats of the finish coat may be required for full colour obliteration.
- Stripe coat all edges, welds and areas of difficult access, to ensure full film thickness.
- For fire protection systems, please contact Sherwin-Williams.
- Maintenance specifications are not covered by ISO12944 therefore the reference to UHP, WAB or mechanical preparation to St3 are not within scope of the standard. Compatibility with such alternative surface preparation methods are stated for a restricted number of coating systems only, reflecting Sherwin-Williams own experience for a limited number of exposure/durability combinations.

*Acrolon 218HS or Acrolon 7300 are available polyurethane top coats. Acrolon 1850 is an isocyanate-free option. Contact Sherwin/ Williams technical services for further advice on top coat choice depending on requirements and location.

C3 Environment as defined in ISO 12944-2:1998. Medium Corrosivity - Marine and Industrial environments

Coating systems for Medium Durability 5-15 years for first major maintenance as defined in ISO 12944-1:1998

System broad type	Epoxy zinc rich						Epoxy barrier						Ultra tolerance	
System label	Match				Premium Global		Match		Enhanced		Premium Global		Premium Global	
Description	Fabrication coating system with ISO 12944 compliant zinc load (80% zinc in dry film).				ISO 12944 compliance using Global Sherwin-Williams product.		A fast drying zinc phosphate fabrication system that can be shop or site applied.		Enhanced abrasion resistance all-seasons system. Fast throughput from -5°C up to tropical use.		ISO 12944 compliance using Global Sherwin-Williams products. Primer available in full colour range.		Solventless (97%sv), tolerates low profile and dampness, no dew point restrictions.	
		DFT				DFT		DFT		DFT		DFT		DFT
Primer	Zinc Clad M501	60			Zinc Clad IV	60	Macropoxy C400V3	110	Macropoxy 5400	110	Macropoxy 646	110	Dura-Plate 301	110
Intermediate	-	-			-	-	-	-	-	-	-	-	-	-
Finish	-	-			-	-	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50	Acrolon Series*	50
	Single coat, 60 microns				Single coat, 60 microns		Two coats, 160 microns		Two coats, 160 microns		Two coats, 160 microns		Two coats, 160 microns	

Surface Preparation

Dry Abrasive blasting (EN ISO 8501-1:2007)	Sa 2½				Sa 2½				Sa 2½	
Wet Abrasive Blasting (SSPC Vis5-NACE Vis9)	Not recommended				WAB 10				WAB 6	
UHP Water Jetting (EN ISO 8501-4:2006)	Not recommended				Wa 2½				Wa2	
Mechanical treatment (EN ISO 8501-1:2007)	Not recommended				Not recommended				St3	

Surface Condition

Surface profile	50-75 microns				50-75 microns				No profile restrictions	
Surface humidity	Must be dry, T > Dew Point + 3°C				Must be dry, T > Dew Point + 3°C				No dew point restrictions	
Relative humidity	< 85%				< 85%				No limitation	
Flash Rust (according to ISO 8501-4:2006)	None				"L" (Low)				"M" (Medium)	

Notes on this Specification

- ISO12944 states that Durability is not a guarantee time. Durability should be considered as the coating design life, where regular minor maintenance should be scheduled to achieve the required life to first major maintenance.
- Additional number of coats for the same total DFT may be required for compliance with specific local standards depending on location and asset owner regulations.
- Each of the products in the above systems are compatible with each other. Consult SW Technical Customer Service department for bespoke specifications.
- Polyurethane top coat may be replaced by epoxy top coat if UV resistance is not required. Contact SW for guidance on how to adapt coating systems in this case.
- NDFT: all dry film thickness figures refer to Nominal Dry Film Thickness (NDFT) as defined in EN ISO 12944
- The same material is used for site touch up following suitable cleaning and re-preparation of affected areas.
- All materials should be obtained from Sherwin-Williams and must be applied in accordance with our technical data sheets.
- Acrolon Series*, Macropoxy C88 and Macropoxy 646 are available in a full range of colours. Macropoxy 5400, Macropoxy C400V3 and Dura-Plate 301 are available in a limited range of colours.
- All epoxy coatings may discolour and chalk progressively if exposed to sun light (Macropoxy C400V3, Macropoxy C88, Macropoxy 646, Dura-Plate 301W, Macropoxy 5400).
- Subject to shade, two coats of the finish coat may be required for full colour obliteration.
- Stripe coat all edges, welds and areas of difficult access, to ensure full film thickness.
- For fire protection systems, please contact Sherwin-Williams.
- Maintenance specifications are not covered by ISO12944 therefore the reference to UHP, WAB or mechanical preparation to St3 are not within scope of the standard. Compatibility with such alternative surface preparation methods are stated for a restricted number of coating systems only, reflecting Sherwin-Williams own experience for a limited number of exposure/durability combinations.

*Acrolon 218HS or Acrolon 7300 are available polyurethane top coats. Acrolon 1850 is an isocyanate-free option. Contact Sherwin/ Williams technical services for further advice on top coat choice depending on requirements and location.

The Sherwin-Williams Difference

We know that providing you with more than just product is what makes Sherwin-Williams different. Offering you a complete solution – from a comprehensive product offering to industry expertise covering you from specification to onsite inspection. When it comes to protecting your infrastructure assets, trust Sherwin-Williams, your asset protection partner.

SHERWIN-WILLIAMS®

To learn more, contact us

Europe, Middle East & Africa: +44 (0)1204 521771

North America: +1 800 524 5979

Asia: +8 621 5158 7798

sales.uk@sherwin.com

www.sherwin-williams.com/protectiveEMEA