# PPG System Guide

## NORSOK M-501 standard coating solutions

**Our compliant protective coatings for offshore structures.**

# PPG System Guide

## NORSOK M-501 standard coating solutions

**We have published this brochure to introduce you to the PPG products and systems that comply with the surface preparation and protective coating standard described in NORSOK M-501.**

NORSOK standards were developed in 1994 by the Norwegian petroleum industry and today serve as a global reference for ensuring the safety, added value and cost effectiveness of protective coatings used within challenging offshore environments.

NORSOK M-501 outlines the requirements for the selection of coating materials, surface preparation, application procedures and the inspection of paints, metallic coatings and passive fire protection systems. The aim of this standard is to obtain a coating system that ensures:

- Optimum protection of the installation with minimum need for maintenance
- Use of products that are application and maintenance friendly
- Health, safety, and environmental impacts are evaluated and documented

The tables published within this brochure highlight examples of PPG's protective coating systems that comply with the pre-qualification requirements established by NORSOK. Coatings systems that satisfy the defined exposure conditions are also included.

### NORSOK M-501 standard system classifications

NORSOK M-501 requires a surface preparation of ISO 8501-1 Sa 2½ and roughness ISO 8503 Grade Medium (G). All coatings systems listed comply with this except for those listed for systems 6A, B and C on galvanized and stainless steel. The Product Data Sheet of the proposed products should be CHECKED for the appropriate pre-treatment for these systems. The latest version of NORSOK (rev. 6) refers to ISO 20340, where relevant, as the pre-qualification test standard for coating materials. As ISO 20340 is now replaced by ISO 12944-9:2018, we will refer to the latter in this brochure.

The PPG protective coatings systems detailed in this guide have passed the rigorous laboratory testing described for each NORSOK system, where applicable.

**Please contact your local PPG Protective Coatings representative for further information on available coatings systems.**

## NORSOK Standard M-501 coating systems

Only pre-qualified systems require prior testing

| | |
|---|---|
| **System 1 (pre-qualified)** | Carbon steel with maximum operating temperature < 120°C (248°F)<br>• Structural steel<br>• Exteriors of equipment, vessels, piping and valves (not insulated) |
| **System 2A** | Carbon steel surfaces. Thermally sprayed aluminum or alloys of aluminum at 200 µm / 8.0 mils |
| **System 2B** | Carbon steel surfaces. Thermally sprayed zinc or alloys of zinc at 100 µm / 4.0 mils |
| **System 3A-3G (System 3B pre-qualified)** | Internal surface of carbon steel tanks |
| **System 4 (pre-qualified)** | Walkways, escape routes and lay down areas |
| **System 5A (pre-qualified)** | Epoxy-based fire protection |
| **System 5B (pre-qualified)** | Cement-based fire protection |
| **System 6A** | Uninsulated stainless steel when painting is required. Aluminum when painting is required |
| **System 6B** | Hot-dipped, galvanized steel when painting is required |
| **System 6C** | Insulated stainless steel piping and vessels at temperatures < 150°C (302°F) |
| **System 7A (pre-qualified)** | Carbon and stainless steel in the splash zone |
| **System 7B (pre-qualified)** | Submerged carbon and stainless steel ≤ 50°C (122°F) |
| **System 7C (pre-qualified)** | Submerged carbon and stainless steel > 50°C (122°F) |
| **System 8** | Structural carbon steel with maximum operating temperature ≤ 80°C (176°F) in internal and fully dry and ventilated areas |
| **System 9** | Bulk-supplied carbon steel valves with maximum operating temperature up to 150°C (302°F) |

**Reference PPG's Global Product Offering brochure for dual branding options available.**

## NORSOK System 1 (pre-qualified)

**Carbon steel with maximum operating temperature < 120°C (248°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 1.1 | Zinc Rich Epoxy Primer<br>Fast Dry Epoxy Coating<br>Polyurethane Topcoat | PPG SIGMAZINC 68 SP<br>PPG SIGMAFAST 278<br>PPG SIGMADUR 550 | 60<br>170<br>50 | 2.4<br>6.8<br>2.0 |
| | | | **280** | **11.2** |
| 1.2 | Zinc Rich Epoxy Primer<br>Fast Dry Epoxy Coating<br>Polysiloxane Topcoat | PPG SIGMAZINC 68 SP<br>PPG SIGMAFAST 278<br>PPG PSX 700 | 60<br>140<br>80 | 2.4<br>5.6<br>3.2 |
| | | | **280** | **11.2** |
| 1.3 | Zinc Rich Silicate Primer<br>Fast Dry Epoxy Coating<br>Polyurethane Topcoat | PPG DIMETCOTE 9<br>PPG SIGMAFAST 278<br>PPG SIGMADUR 550 | 60<br>170<br>50 | 2.4<br>6.8<br>2.0 |
| | | | **280** | **11.2** |
| 1.4 | Zinc Rich Silicate Primer<br>Fast Dry Epoxy Coating<br>Polysiloxane Topcoat | PPG DIMETCOTE 9<br>PPG SIGMAFAST 278<br>PPG PSX 700 | 60<br>140<br>80 | 2.4<br>5.6<br>3.2 |
| | | | **280** | **11.2** |
| 1.5 | Zinc Rich Epoxy Primer<br>Epoxy Midcoat<br>Polyurethane Topcoat | PPG SIGMAZINC 68 SP<br>PPG SIGMACOVER 410<br>PPG SIGMADUR 550 | 60<br>170<br>50 | 2.4<br>6.8<br>2.0 |
| | | | **280** | **11.2** |

ZnR: zinc-rich primer containing > 80% by mass in dry film. Other pre-qualified topcoats are available, please contact your PPG representative for details.

## NORSOK System 1 (pre-qualified)

**Carbon steel with maximum operating temperature < 120°C (248°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 1.6 | Zinc Rich Epoxy Primer<br>Epoxy Midcoat<br>Polysiloxane Topcoat | PPG SIGMAZINC 68 SP<br>PPG SIGMACOVER 410<br>PPG PSX 700 | 60<br>140<br>80 | 2.4<br>5.6<br>3.2 |
| | | | **280** | **11.2** |
| 1.7 | Zinc Rich Silicate Primer<br>Epoxy Midcoat<br>Polyurethane Topcoat | PPG DIMETCOTE 9<br>PPG SIGMACOVER 410<br>PPG SIGMADUR 550 | 60<br>170<br>50 | 2.4<br>6.8<br>2.0 |
| | | | **280** | **11.2** |
| 1.8 | Zinc Rich Silicate Primer<br>Epoxy Midcoat<br>Polysiloxane Topcoat | PPG DIMETCOTE 9<br>PPG SIGMACOVER 410<br>PPG PSX 700 | 60<br>140<br>80 | 2.4<br>5.6<br>3.2 |
| | | | **280** | **11.2** |

Zinc Rich: zinc dust content is ≥ 80% by mass in dry film. Other pre-qualified topcoats are available, please contact your PPG representative for details.

## NORSOK System 2A

**Carbon steel surfaces | Thermally sprayed aluminum or alloys of aluminum at 200 µm / 8.0 mils**

**< Up to 200 °C - Not for under insulation**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 2A.1 | Epoxy MIO Tie-coat | PPG SIGMACOVER 522 | 25 | 1 |
| | | | **25** | **1** |

## NORSOK System 2B

**Carbon steel surfaces | Thermally sprayed zinc or alloys of zinc at 100 µm / 4.0 mils**

**< 120°C (248°F) - Not for use under insulation**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 2B.1 | Epoxy MIO Tie-coat<br>Epoxy Midcoat<br>Polyurethane Topcoat | PPG SIGMACOVER 522<br>PPG SIGMACOVER 410<br>PPG SIGMADUR 550 | 25<br>125<br>50 | 1.0<br>5.0<br>2.0 |
| | | | **200** | **8.0** |
| 2B.2 | Fast Dry Epoxy Mist Coat<br>Fast Dry Epoxy Coating<br>Polyurethane Topcoat | PPG SIGMAFAST 278 MIST COAT*<br>PPG SIGMAFAST 278<br>PPG SIGMADUR 550 | 25<br>125<br>50 | 1.0<br>5.0<br>2.0 |
| | | | **200** | **8** |

Other topcoats pre-qualified as coating system no. 1 are available, please contact your PPG representative for details.

* See product datasheet for substrate pre-treament and thinning information for application on Thermally Sprayed Metal (TSM).

## NORSOK System 3A
**Potable Water Tanks**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 3A.1 | Solvent-free, Epoxy Lining for Potable Water Service | PPG SIGMAGUARD CSF 585 | 300 | 12 |
| | | | **300** | **12** |

Please consult your PPG Protective Coatings representative for further information with regards to regional drinking water certification requirements.

## NORSOK 3B (pre-qualified)
**Ballast water tanks/internal seawater-filled compartments based on IMO-PSPC testing**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 3B.1 | Universal Epoxy Primer<br>Universal Epoxy Primer | PPG SIGMAPRIME 200<br>PPG SIGMAPRIME 200 | 160<br>160 | 6<br>6 |
| | | | **320** | **12** |
| 3B.2 | High Solids Universal Epoxy Primer<br>High Solids Universal Epoxy Primer | PPG SIGMAPRIME 700<br>PPG SIGMAPRIME 700 | 160<br>160 | 6<br>6 |
| | | | **320** | **12** |
| 3B.3 | Low VOC Epoxy Primer<br>Low VOC Epoxy Primer | PPG SIGMACOVER 380<br>PPG SIGMACOVER 380 | 160<br>160 | 6<br>6 |
| | | | **320** | **12** |

All systems were tested with and without shopprimer.

## NORSOK System 3C
**Tanks for stabilized crude, diesel and condensate**

**< 60°C (140°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 3C.1 | Solvent-free, Epoxy Lining | PPG SIGMAGUARD CSF 650 | 300 | 12 |
| | | | **300** | **12** |

**> 60°C (140°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 3C.2 | Solvent-free, Novolac Phenolic Epoxy Lining | PPG NOVAGUARD 840 | 300 | 12 |
| | | | **300** | **12** |
| 3C.3 | Solvent-free, Novolac Phenolic Epoxy Lining | PPG NOVAGUARD 890 | 300 | 12 |
| | | | **300** | **12** |

Please consult your PPG Protective Coatings representative with full details of the cargo and operating conditions to ensure the correct specification is used.



## NORSOK System 3D
**Process vessels < 3.0 MPa < 75°C (167°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 3D.1 | Novolac Phenolic Epoxy Primer<br>Solvent-free, Novolac Phenolic Epoxy Lining | PPG NOVAGUARD 260<br>PPG NOVAGUARD 840 | 75<br>300 | 3<br>12 |
| | | | **375** | **15** |
| 3D.2 | Novolac Phenolic Epoxy Primer<br>Solvent-free, Novolac Phenolic Epoxy Lining | PPG NOVAGUARD 260<br>PPG NOVAGUARD 890 | 75<br>300 | 3<br>12 |
| | | | **375** | **15** |

Please consult your PPG representative with full details of the cargo and operating conditions to ensure the correct specification is used.

## NORSOK System 3E
**Process vessels < 7.0 MPa < 80°C (176°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 3E.1 | Novolac Phenolic Epoxy Primer<br>Solvent-free, Novolac Phenolic Epoxy Lining | PPG NOVAGUARD 260<br>PPG NOVAGUARD 840 | 75<br>300 | 3<br>12 |
| | | | **375** | **15** |
| 3E.2 | Novolac Phenolic Epoxy Primer<br>Solvent-free, Novolac Phenolic Epoxy Lining | PPG NOVAGUARD 260<br>PPG NOVAGUARD 890 | 75<br>300 | 3<br>12 |
| | | | **375** | **15** |

Please consult your PPG Protective Coatings representative with full details of the cargo and operating conditions to ensure the correct specification is used.

## NORSOK System 3F
**Process vessels < 3.0 MPa < 130°C (266°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 3F.1 | Glass Flake Reinforced Vinyl Ester Coating<br>Glass Flake Reinforced Vinyl Ester Coating | PPG NOVAGUARD 4801<br>PPG NOVAGUARD 4801 | 600<br>600 | 24<br>24 |
| | | | **1200** | **48** |

Please consult your PPG Protective Coatings representative with full details of the cargo and operating conditions to ensure the correct specification is used.

## NORSOK System 3G
**Vessels for storage of methanol, mono ethyl glycol etc**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 3G.1 | Zinc Rich Silicate Primer | PPG DIMETCOTE 9 | 75 | 3 |
| | | | **75** | **3** |

Please consult your PPG Protective Coatings representative with full details of the cargo and operating conditions to ensure the correct specification is used.

## NORSOK System 4 (pre-qualified)
**Walkways, escape routes and lay down areas**

### Medium to Heavy Duty

| System # | Description | PPG Coating System | DFT[1] µm | DFT[1] Mils |
|---|---|---|---|---|
| 4.1 | Surface Tolerant High Solids Epoxy Coating | PPG SIGMASHIELD 880 | 800 | 32 |
| | Anti-skid Additive | PPG 888 ANTI-SKID ADDITIVE* | 1100-1200 | |
| | Non-isocyanate Topcoat | PPG PSX700 | 75 | 3 |
| | | | **Appr. 2000** | **Appr. 80** |
| 4.2 | Glass Flake Reinforced High Solids Epoxy Coating | PPG SIGMASHIELD 880 GF | 800 | 16 |
| | Anti-skid Additive | PPG 888 ANTI-SKID ADDITIVE* | 1100-1200 | |
| | Polyurethane Topcoat | PPG SIGMADUR 520 | 75 | 3 |
| | | | **Appr. 2000** | **Appr. 80** |

* Blend of 16 and 36 mesh aluminium oxide (average 24 mesh). Can be applied after mixing with wet paint using hopper gun. (20 kg of PPG 888 Anti-skid additive + 10 liter of PPG SIGMASHIELD 880 or 880GF) or can apply it with conventional application method for anti-skid (1st coat and spread anti-skid aggregate + 2nd coat + top coat).
[1] DFT excludes non-slip aggregate.

### Heavy Duty

| System # | Description | PPG Coating System | DFT[1] µm | DFT[1] Mils |
|---|---|---|---|---|
| 4.3 | Universal Epoxy Primer | PPG SIGMAPRIME 200 | 75 | 3 |
| | Epoxy Cladding Coating | PPG SIGMASHIELD 1090 | 3,000 | 120 |
| | | | **3,075** | **123** |

[1] DFT excludes non-slip aggregate.

## NORSOK System 5A, 5B (both pre-qualified)
**Epoxy-based fire protection (System 5A)**

Please contact your local PPG representative for more details on epoxy-based fire protection.

## NORSOK System 6A
**Un-insulated stainless steel when painting is required**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 6A.1 | Universal Epoxy Primer | PPG SIGMAPRIME 200 | 75 | 3 |
| | Universal Epoxy Primer | PPG SIGMAPRIME 200 | 100 | 4 |
| | Polyurethane Topcoat | PPG SIGMADUR 550 | 50 | 2 |
| | | | **225** | **9** |
| 6A.2 | High Solids Universal Epoxy Primer | PPG SIGMAPRIME 700 | 75 | 3 |
| | High Solids Universal Epoxy Primer | PPG SIGMAPRIME 700 | 100 | 4 |
| | Polyurethane Topcoat | PPG SIGMADUR 550 | 50 | 2 |
| | | | **225** | **9** |
| 6A.3 | Fast Dry Epoxy Coating | PPG SIGMAFAST 278 | 75 | 3 |
| | Fast Dry Epoxy Coating | PPG SIGMAFAST 278 | 100 | 4 |
| | Polyurethane Topcoat | PPG SIGMADUR 550 | 50 | 2 |
| | | | **225** | **9** |
| 6A.4 | High Solids Epoxy Coating | PPG AMERLOCK 2/400 | 75 | 3 |
| | High Solids Epoxy Coating | PPG AMERLOCK 2/400 | 100 | 4 |
| | Polyurethane Topcoat | PPG SIGMADUR 550 | 50 | 2 |
| | | | **225** | **9** |

Other topcoats pre-qualified as coating system no. 1 are available, please contact your PPG representative for details.

## NORSOK System 6B
**Hot-dipped, galvanized steel when painting is required***

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 6B.1 | Universal Epoxy Primer | PPG SIGMAPRIME 200 | 75 | 3 |
| | Universal Epoxy Primer | PPG SIGMAPRIME 200 | 100 | 4 |
| | Polyurethane Topcoat | PPG SIGMADUR 550 | 50 | 2 |
| | | | **225** | **9** |
| 6B.2 | High Solids Universal Epoxy Primer | PPG SIGMAPRIME 700 | 75 | 3 |
| | High Solids Universal Epoxy Primer | PPG SIGMAPRIME 700 | 100 | 4 |
| | Polyurethane Topcoat | PPG SIGMADUR 550 | 50 | 2 |
| | | | **225** | **9** |
| 6B.3 | Fast Dry Epoxy Coating | PPG SIGMAFAST 278 | 75 | 3 |
| | Fast Dry Epoxy Coating | PPG SIGMAFAST 278 | 100 | 4 |
| | Polyurethane Topcoat | PPG SIGMADUR 550 | 50 | 2 |
| | | | **225** | **9** |

Other topcoats pre-qualified as coating system no. 1 are available, please contact your PPG representative for details.
* Please refer to the Product Data Sheet of the products for the appropriate pre-treatment for this subtsrate.

## NORSOK System 6C
**Insulated stainless steel piping and vessels at temperatures < 150°C (302°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 6C.1 | Phenolic Epoxy Coating | PPG SIGMAGUARD 730 | 125 | 5 |
| | Phenolic Epoxy Coating | PPG SIGMAGUARD 730 | 125 | 5 |
| | | | **250** | **10** |
| 6C.2 | High-build, Heat-resistant Epoxy Phenol Novolac Coating | PPG SIGMATHERM 230 | 125 | 5 |
| | High-build, Heat-resistant Epoxy Phenol Novolac Coating | PPG SIGMATHERM 230 | 125 | 5 |

Please refer to the Product Data Sheet of the products for the appropriate pre-treatment for this subtsrate.

## NORSOK System 7A (pre-qualified)
**Carbon steel and stainless steel in splash zone**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 7A.1 | Universal Epoxy Primer | PPG SIGMAPRIME 200 | 100 | 4 |
| | Glass Flake Reinforced High Solids Epoxy Coating | PPG SIGMASHIELD 880 GF | 500 | 20 |
| | | | **600** | **24** |
| 7A.2 | Surface Tolerant High Solids Epoxy Aluminum Primer | PPG SIGMASHIELD 880 ALU | 300 | 12 |
| | Surface Tolerant High Solids Epoxy Coating | PPG SIGMASHIELD 880 | 300 | 12 |
| | | | **600** | **24** |
| 7A.3 | Abrasion Resistance Solvent-free Novolac Epoxy Coating | PPG SIGMASHIELD 1200 | 400 | 16 |
| | Abrasion Resistance Solvent-free Novolac Epoxy Coating | PPG SIGMASHIELD 1200 | 400 | 16 |
| | | | **800** | **32** |
| 7A.4 | Glass Flake Reinforced Vinyl Ester Coating | PPG NOVAGUARD 4801 | 600 | 24 |
| | Glass Flake Reinforced Vinyl Ester Coating | PPG NOVAGUARD 4801 | 600 | 24 |
| | | | **1200** | **48** |

## NORSOK System 7B (pre-qualified)

**Submerged carbon and stainless steel ≤ 50°C (122°F)**

| System # | Description | PPG Coating System* | DFT µm | DFT Mils |
|---|---|---|---|---|
| 7B.1 | Universal Epoxy Primer<br>Universal Epoxy Primer | PPG SIGMAPRIME 200<br>PPG SIGMAPRIME 200 | 175<br>175 | 7<br>7 |
| | | | **350** | **14** |
| 7B.2 | High Solids Universal Epoxy Primer<br>High Solids Universal Epoxy Primer | PPG SIGMAPRIME 700<br>PPG SIGMAPRIME 700 | 175<br>175 | 7<br>7 |
| | | | **350** | **14** |
| 7B.3 | Surface Tolerant High Solids Epoxy Aluminum Primer<br>Surface Tolerant High Solids Epoxy Coating | PPG SIGMASHIELD 880 ALU<br>PPG SIGMASHIELD 880 | 175<br>175 | 7<br>7 |
| | | | **350** | **14** |

* Approvals based on revision 5.

## NORSOK System 7C (pre-qualified)

**Submerged carbon and stainless steel > 50°C (122°F)**

**Up to 90°C (193°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 7C.1 | Surface Tolerant High Solids Epoxy Aluminum Primer<br>Surface Tolerant High Solids Epoxy Coating | PPG SIGMASHIELD 880 ALU<br>PPG SIGMASHIELD 880 | 175<br>175 | 7<br>7 |
| | | | **350** | **14** |

**Up to 150°C (302°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 7C.2 | Novolac Epoxy Primer<br>Novolac Epoxy Midcoat<br>Novolac Epoxy Topcoat | PPG PHENGUARD 930<br>PPG PHENGUARD 935<br>PPG PHENGUARD SUBSEA 780 | 100<br>125<br>125 | 4<br>5<br>5 |
| | | | **350** | **14** |

**Up to 180°C (356°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 7C.3 | Novolac Epoxy Aluminum Primer<br>Novolac Epoxy Topcoat | PPG PHENGUARD SUBSEA 610<br>PPG PHENGUARD SUBSEA 780 | 175<br>175 | 7<br>7 |
| | | | **350** | **14** |

## NORSOK System 8A

**Structural carbon steel with maximum operating temperature ≤ 80°C (176°F) in fully dry and ventilated areas**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 8A.1 | Universal Epoxy Primer | PPG SIGMAPRIME 200 | 150 | 6 |
| | | | **150** | **6** |
| 8A.2 | High Solids Universal Epoxy Primer | PPG SIGMAPRIME 700 | 150 | 6 |
| | | | **150** | **6** |
| 8A.3 | Fast Dry Epoxy Coating | PPG SIGMAFAST 278 | 150 | 6 |
| | | | **150** | **6** |

## NORSOK System 8B

**Structural carbon steel with maximum operating temperature ≤ 80°C (176°F) in fully dry and ventilated areas**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 8B.1 | Zinc Rich Epoxy Primer<br>Epoxy MIO Tie-coat | PPG SIGMAZINC 68 SP<br>PPG SIGMACOVER 522 | 60<br>25 | 2.4<br>1 |
| | | | **85** | **3** |

## NORSOK System 9

**Bulk-supplied carbon steel valves with maximum operating temperature up to 150°C (302°F)**

| System # | Description | PPG Coating System | DFT µm | DFT Mils |
|---|---|---|---|---|
| 9.1 | Phenolic Epoxy Coating<br>Phenolic Epoxy Coating | PPG SIGMAGUARD 730<br>PPG SIGMAGUARD 730 | 150<br>150 | 6<br>6 |
| | | | **300** | **12** |
| 9.2 | High-build, Heat-resistant Epoxy Phenol Novolac Coating<br>High-build, Heat-resistant Epoxy Phenol Novolac Coating | PPG SIGMATHERM 230<br>PPG SIGMATHERM 230 | 150<br>150 | 6<br>6 |
| | | | **300** | **12** |

## More PPG coating systems are available

Please contact your local PPG representative for more information.

Visit **ppgpmc.com** or contact:
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