



NORSOK M-501 Systems Guide

Coating System No. 1 Pre-qualification required

Carbon steel with operating temperature <120°C.

- Structural Steel.

- Exteriors of equipment, vessels, piping and valves (not insulated).

Zinc rich primer min 60 microns. Minimum number of coats 3. Minimum total DFT 280 microns.

Serial #	System Description	DFT (µm)	Product Detail	Qualification Detail
N1-01	Zinc Clad™II	60	Zinc rich ethyl silicate	Qualified NORSOK M-501 Rev. 6
	Macropoxy [™] 5400	170	Ероху	Test Report N967614 Date 07/05/2015
	Acrolon [™] 7300	50	Acrylic polyurethane	Date 07/05/2015
		280	-	
N1 - 02	Zinc Clad™ II	60	Zinc rich ethyl silicate	Qualified NORSOK M-501 Rev. 6
	Macropoxy [™] 5400	170	Ероху	Test Reports N967614 & N967613 Date: 07/5/2015
	Acrolon [™] 1850	50 Epoxy acrylic		
		280	_	
N1-03	Zinc Clad™ IV	60	Zinc rich epoxy	Qualified NORSOK M-501 Rev. 6
	Macropoxy [™] 5400	170	Ероху	Test Reports N967614 & N967613 Date: 07/5/2015
	Acrolon [™] 7300	50	Acrylic polyurethane	
		280	-	
N1-04	Zinc Clad™ IV	60	Zinc rich epoxy	Qualified NORSOK M-501 Rev. 6
	Macropoxy [™] 5400	170	Ероху	Test Report N967613 Date 07/05/2015
	Acrolon [™] 1850	50	Epoxy acrylic	
		280	-	
N1-05	Zinc Clad [™] II	75	Zinc rich ethyl silicate	Qualified NORSOK M-501 Rev. 5
	Macropoxy [™] 646	160	Epoxy polyamide	Test Report 11-368 B Date 13/07/2012
	Acrolon [™] 218 HS	85	Acrylic polyurethane	
		320	-	
N1-06	Zinc Clad [™] IV	75	Zinc rich epoxy	Qualified NORSOK M-501 Rev. 5
	Macropoxy [™] 646	160	Polyamide epoxy	Test Report 11-368 A Date 13/07/2012
	Acrolon [™] 218 HS	85	Acrylic polyurethane	
		320	_	
N1-07	Zinc Clad [™] II	75	Zinc rich ethyl silicate	Qualified NORSOK M-501 Rev. 5
	Macropoxy [™] 646	160	Epoxy polyamide	Test Report 11-368 E Date 13/07/2012
	SherThane [™] 2K	85	Acrylic polyurethane	
		320	-	

Coating system 2A for carbon steel surfaces T>120°C.

Coating system No. 2A or system No. 2B shall be used for: All insulated surfaces of tanks, vessels, piping, flare booms and crane booms.

Optional areas:

Underside of bottom deck including piping jacket above splash zone lifeboat stations (to be decided in each project).

Alternatives:

For insulated piping and equipment operating at T<120 $^{\circ}\text{C}$ NORSOK M-501 System No. 9 may be selected instead.

System 2A

TSA or aluminium alloy 200 microns & sealer. (1)

System 2B

TSZ or alloys of zinc 100 microns. Tie coat (according to manufacturer if needed). Intermediate coat + topcoat.⁽²⁾

Serial #	System Description	DFT (µm)	Product Detail	Qualification Detail
N2A-01	TSA	as defined	Thermal spray aluminum	NORSOK M-501 Rev. 6 Compliant (2A)
	Macropoxy [™] 920		Epoxy sealer solvent-free (3)	for T<120°C
			-	
N2A-02	TSA	as defined	Thermal spray aluminum	NORSOK M-501 Rev. 6 Compliant (2A)
	Macropoxy [™] L574		Epoxy sealer solvent-borne (3)	for T<120°C
			-	
N2A-03	TSA	as defined	Thermal spray aluminum	NORSOK M-501 Rev. 6 Compliant (2A)
	Silverbrite [™] Hi-Heat Al		High heat aluminum (3)	for T>120°C
			-	
N2A-04	TSA	as defined	Thermal spray aluminum	NORSOK M-501 Rev. 6 Compliant (2A)
	Heat-Flex [™] M505 Al		Aluminum silicone (3)(5)	for T>120°C
			-	
N2B-01	TSZ	as defined	Thermal spray zinc	NORSOK M-501 Rev. 6 Compliant (2B)
	See note (6)		Tie coat ⁽⁶⁾	Intermediate & topcoat pre-qualified as system 1 (Test Report N967613 Date 7/05/2015)
	Macropoxy [™] 5400	170	Ероху	
	Acrolon [™] 1850	50	Acrylic epoxy	
		220	-	
N2B-02	TSZ	as defined	Thermal spray zinc	NORSOK M-501 Rev. 6 Compliant (2B)
	See note (6)		Tie coat ⁽⁶⁾	Intermediate & topcoat pre-qualified as system 1 (Test Report N967614 Date 7/05/2015)
	Macropoxy [™] 5400	170	Ероху	
	Acrolon [™] 7300	50	Acrylic polyurethane	
		220	-	
N2B-03	TSZ	as defined	Thermal spray zinc	NORSOK M-501 Rev. 6 Compliant (2B)
	See note (6)		Tie coat (6)	Intermediate & topcoat pre-qualified as system 1 (Test Report 11-368B Date 7/13/2012)
	Macropoxy [™] 646	125	Epoxy polyamide	· · · /
	Acrolon [™] 218 HS	75	Acrylic polyurethane	
		200	-	

NORSOK M-501

Serial #	System Description	DFT (µm)	Product Detail	Qualification Detail
N2B-04	TSZ	as defined 	Thermal spray zinc Tie coat ⁽⁶⁾	NORSOK M-501 Rev. 6 Compliant (2B) Intermediate & topcoat pre-qualified as system 1 (Test Report 11-368 E Date 07/13/12)
	Macropoxy [™] 646	125	Epoxy polyamide	()
	SherThane [™] 2K	75	Acrylic polyurethane	
		200	-	

⁽¹⁾ The materials for sealing the metal coating shall be two-component epoxy for operating temperatures below 120°C and aluminum silicone above 120°C.

⁽²⁾ The intermediate coat + topcoat shall have been pre-qualified as part of a System N.1. Pre-qualification may have been carried out at different film thicknesses.

^(a) The sealer shall fill the metal pores. It shall be applied until absorption is complete. There should not be a measurable overlay of sealer on the metallic coating after application.

⁽⁴⁾ Maximum operating temperature 370°C.

⁽⁵⁾ Maximum operating temperature 600°C.

(6) Contact Sherwin-Williams technical support for guidance on available tie coats.

Coating System No. 3 System No. 3B shall be pre-qualified

Internal surfaces of carbon steel tanks.

System Description

- 3A = Potable water tanks 3D = Process vessels <0.3 MPa <75°C
- 3B = Ballast water tanks3E = Process vessels <7.0 MPa <80°C
- 3C = Crude tanks

Serial #

3F = Process vessels <3.0 MPa <130°C

Lining materials for carbon steel tanks are subject to special evaluation, and shall always be approved by the purchaser.

3G = Vessels for methanol, monoethylene glycol, etc

<u>NORSOK M-501</u> Qualification Detail

Coating system 3A - Potable water tanks. Shall be approved for such use by relevant authorities. Minimum two coats solvent-free epoxy 300 microns each.

DFT (µm)

		500	_	DWI approved ⁽¹⁾
N3A-02	Waterline [™] P300 Tank Lining	500	Solvent-free epoxy	NORSOK M-501 Rev. 6 Compliant
		600	_	
	Dura-Plate [™] UHS	300	Solvent-free epoxy	NSF approved to Standard 61 for potable water
N3A-01	Dura-Plate™ UHS	300	Solvent-free epoxy	NORSOK M-501 Rev. 6 Compliant

Product Detail

Coating system 3B - Ballast water tanks/internal seawater filled compartments. Pre-qualification required. NORSOK M-501 Rev. 5 accepts Marintek B1 qualification. NORSOK M-501 Rev. 6 accepts IMO PSPC qualification.

N3B-01	Dura-Plate [™] 301	160	Solvent-free tolerant epoxy	Qualified NORSOK M-501 Rev. 6
	Dura-Plate [™] 301	160	Solvent-free tolerant epoxy	IMO PSPC qualified over UHP, AB and PE31 shop primer
		320	-	Test Report N802751 (UHP)
				Test Report N803434 (AB & PE31)
N3B-02	Fast-Clad [™] ER 400 ⁽²⁾ Solve	Solvent-free fast curing epoxy	Qualified NORSOK M-501 Rev. 6	
		400	-	IMO PSPC qualified over bare metal and zinc plate plus primer
				Test Report N962365
N3B-03	Seaguard [™] 5000HS	160	Epoxy amine	Qualified NORSOK M-501 Rev. 5
	Seaguard [™] 5000HS	160	Epoxy amine	Marintek B1 Qualified Test Report BGN-R2704441
		320	-	Date 12/13/04

Coating system 3C - Tanks for stabilized crude, diesel and condensate. System to be applied to the flat bottoms and lower 1m of walls, and to the roofs and upper 1m of walls.

N3C-01	Dura-Plate [™] 301	150	Solvent-free tolerant epoxy	All 3C systems are NORSOK M-501 Rev. 6
	Dura-Plate [™] 301	150	Solvent-free tolerant epoxy	Compliant
		300	_	
N3C-02	Dura-Plate™ UHS	150	Solvent-free epoxy	
	Dura-Plate [™] UHS	150	Solvent-free epoxy	
		300	_	
N3C-03	Fast-Clad [™] ER	500	Solvent-free fast curing epoxy	
		500	_	
N3C-04	Macropoxy™ M922	200	Glass flake epoxy	
	Macropoxy™ M922	200	Glass flake epoxy	
		400	_	

Coating System No. 3 System No. 3B shall be pre-qualified

Internal surfaces of carbon steel tanks.

3A = Potable water tanks	3D = Process vessels < 0.3 MPa < 75°C
3B = Ballast water tanks	3E = Process vessels <7.0 MPa <80°C

3C = Crude tanks3F = Process vessels <3.0 MPa <130°C

Lining materials for carbon steel tanks are subject to special evaluation,

and shall always be approved by the purchaser.

3G = Vessels for methanol, monoethylene glycol, etc

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NORSOK M-501 Rev. 6 Compliant

rial #	System Description	DFT (µm)	Product Detail	Qualification Detail
pating s	ystem 3D - Process vessels	<0.3MPa <75°(C. 2-component solvent-free or solve	ent-borne epoxy are recommended.
I3D-01	Phenicon [™] HS FF	175	Phenolic novolac epoxy	NORSOK M-501 Rev. 6 Compliant
	Phenicon [™] HS FF	175	Phenolic novolac epoxy	
		350	-	
coating s s recomm	-	<7.0 MPa <80°	C. 2-component solvent-borne or sol	vent-free epoxy or modified novolac epoxy
V3E-01	Epo-Phen [™] FF	175	Phenolic novolac epoxy	NORSOK M-501 Rev. 6 Compliant
	Epo-Phen [™] FF	175	Phenolic novolac epoxy	
		350	-	
Coating s	ystem 3F - Process vessels	<3.0 MPa <130	° C. 2-component solvent-free novola	ac epoxy is recommended.
V3F-01	Epo-Phen [™] FF	175	Phenolic novolac epoxy	NORSOK M-501 Rev. 6 Compliant
	Epo-Phen [™] FF	175	Phenolic novolac epoxy	
		350	_	
V3F-02	Nova-Plate [™] UHS	450	Solvent-free novolac epoxy	NORSOK M-501 Rev. 6 Compliant
		450	-	
V3F-03	Nova-Plate [™] 325	450	Solvent-free novolac epoxy	NORSOK M-501 Rev. 6 Compliant
		450	_	
-	system 3G - Vessels for meti roofs and upper 1m of walls.		lene glycol, etc. System to be appli	ed to the flat bottoms and lower 1m of walls,
V3G-01	Zinc Clad [™] II	75	Zinc rich ethyl silicate	NORSOK M-501 Rev. 6 Compliant
		75	-	

(1) DWI approved as a site and factory applied coating for potable water retaining structures ref DWI 56.4.253 Water Industry Act 1991: Section 69, : Water Supply (Water Quality) Regulations: 1989, : Water Supply (Water Quality) Regulations (Amendment): 1991 - Regulation 25(1) : Water Regulations Advisory Scheme Directory Reference 0512526.

Solvent-free novolac epoxy

(2) IMO PSPC tested with two coats wet on wet, 400µm total DFT.

Nova-Plate[™] UHS

450

450

N3G-02

Coating System No. 4 Pre-qualification required

Walkways, escape routes and lay down areas. Coating system No. 1 may be used on other deck areas.

Non-skid epoxy screed 3000 microns DFT

NORSOK M-501

Serial #	System Description	DFT (µm)	Product Detail	Qualification Detail
N4-01	Epidek™ M153	3000 (1)	Ultra high solids epoxy non-slip	Qualified NORSOK M-501 Rev. 5
		3000	-	Test Reports 4-11-11-10

⁽¹⁾ Tested over MacropoxyTM L425 and MacropoxyTM M922 primers. Please contact Sherwin-Williams technical support for guidance on other available primers.

Coating System No. 5A Pre-qualification required for the PFP materials

Epoxy based fire protection. The coating system and products shall be approved by the manufacturer of the PFP.

1 coat of epoxy primer 50 microns or 1 coat zinc rich epoxy + epoxy tie coat

NORSOK M-501

Serial #	System Description	DFT (µm)	Product Detail	Qualification Detail
N5A-01	Recoatable epoxy	100	Epoxy primer	See detail below, note (1)
	FIRETEX® M90 or M93 Series (1)	As required		
	Acrolon [™] 218	75	Acrylic polyurethane	
		As required		
N5A-02	Zinc Clad™ IV	75	Zinc rich epoxy	See detail below, note (1)
	Macropoxy [™] 920	25	Epoxy tie coat	
	FIRETEX® M90 or M93 Series (1)	As required		
	SherThane [™] 2K	50	Acrylic polyurethane	
		As required		
N5A-03	Macropoxy™ C425V2	100	Epoxy primer	See detail below, note (1)
	$\ensuremath{FIRETEX}\xspace^{\ensuremath{B}\xspace}$ M90 or M93 Series $^{(1)}$	As required		
	Acrolon [™] 7300	50	Acrylic polyurethane	
		As required		
N5A-04	Zinc Clad [™] IV	60	Zinc rich epoxy	See detail below, note (1)
	Macropoxy [™] L574	25	Epoxy tie coat	
	$\ensuremath{FIRETEX}\xspace^{\ensuremath{B}\xspace}$ M90 or M93 Series $^{(1)}$	As required		
	Acrolon [™] 7300	50	Acrylic polyurethane	
		As required		
N5A-05	Dura-Plate [™] 301	125	Epoxy primer	See detail below, note (1)
	FIRETEX®M90 or M93 Series (1)	As required		
	Acrolon [™] 7300	50	Acrylic polyurethane	
		As required	-	

As required

 $^{(1)}$ Pre-qualified PFP materials (FIRETEX^{\rm TM} line) Qualified NORSOK M-501 Rev. 6 Test Report N961632A (M90/02) FIRETEX® M90 Series N951911 (M90) - Rev. 5

FIRETEX® M93 Series Qualified NORSOK M-501 Rev. 5 Test Reports N953784 (M93) and N505057 (M93/02)

8 SHERWIN-WILLIAMS.

Coating System No. 6 6A/6B Topcoats need pre-qualification

Coating systems for uninsulated stainless steel & hot dipped galvanized steel and insulated stainless steel.

- System N. 6A: Uninsulated stainless steel and aluminium when painting is required.
- System N. 6B: Hot dipped galvanized steel when painting is required.
- System N. 6C: Insulated stainless steel piping and vessels at T<150°C.

System 6A & 6B

- 1 coat epoxy primer 50 microns 1 coat two component epoxy 100 microns
- 1 coat topcoat 75 microns Minimum total DFT 225 microns

System 6C

2 coats epoxy phenolic 2x125 microns Minimum total DFT 250 microns

NODCOK M_501

Serial #	System Description	DFT (µm)	Product Detail	Qualification Detail
oating s	system 6A - Stainless steel a	nd aluminum. F	or systems 6A and 6B the topcoat	shall be System N. 1 approved.
V6A-01	Macropoxy™ 646 (mist)	50	Epoxy polyamide	NORSOK M-501 Rev. 6 Compliant for non-insulated
	Macropoxy [™] 646	100	Epoxy polyamide	stainless steel and aluminium T<120°C
	Approved topcoat (1)	75		
		225	_	
N6A-02	Macropoxy [™] L425 ⁽²⁾	50	Epoxy zinc phosphate	NORSOK M-501 Rev. 6 Compliant for non-insulated
	Macropoxy [™] 5400	100	Ероху	stainless steel and aluminium T<120°C
	Approved topcoat (1)	75		
		225	-	
coating s	system 6B - Hot dipped galva		systems 6A and 6B the topcoat sl	hall be System N. 1 approved.
-		nized steel. For	systems 6A and 6B the topcoat s	
Coating s N6B-01	Macropoxy [™] 646 (mist)	nized steel. For 50	Epoxy polyamide	hall be System N. 1 approved. NORSOK M-501 Rev. 6 Compliant for non-insulated hot dipped galvanised steel T<120°C
-	Macropoxy [™] 646 (mist) Macropoxy [™] 646	nized steel. For 50 100		NORSOK M-501 Rev. 6 Compliant for non-insulated
-	Macropoxy [™] 646 (mist)	nized steel. For 50 100 75	Epoxy polyamide	NORSOK M-501 Rev. 6 Compliant for non-insulated
V6B-01	Macropoxy [™] 646 (mist) Macropoxy [™] 646 Approved topcoat ⁽¹⁾	nized steel. For 50 100 75 225	Epoxy polyamide Epoxy polyamide	NORSOK M-501 Rev. 6 Compliant for non-insulated hot dipped galvanised steel T<120°C
-	Macropoxy [™] 646 (mist) Macropoxy [™] 646 Approved topcoat ⁽¹⁾ Macropoxy [™] K267	nized steel. For 50 100 75	Epoxy polyamide	NORSOK M-501 Rev. 6 Compliant for non-insulated hot dipped galvanised steel T<120°C NORSOK M-501 Rev. 6 Compliant for non-insulated
V6B-01	Macropoxy [™] 646 (mist) Macropoxy [™] 646 Approved topcoat ⁽¹⁾	nized steel. For 50 100 75 225	Epoxy polyamide Epoxy polyamide	NORSOK M-501 Rev. 6 Compliant for non-insulated hot dipped galvanised steel T<120°C
V6B-01	Macropoxy [™] 646 (mist) Macropoxy [™] 646 Approved topcoat ⁽¹⁾ Macropoxy [™] K267	nized steel. For 50 100 75 225 50	Epoxy polyamide Epoxy polyamide – Epoxy MIO	NORSOK M-501 Rev. 6 Compliant for non-insulated hot dipped galvanised steel T<120°C NORSOK M-501 Rev. 6 Compliant for non-insulated
V6B-01	Macropoxy [™] 646 (mist) Macropoxy [™] 646 Approved topcoat ⁽¹⁾ Macropoxy [™] K267 Macropoxy [™] 5400	nized steel. For 50 100 75 225 50 100	Epoxy polyamide Epoxy polyamide – Epoxy MIO	NORSOK M-501 Rev. 6 Compliant for non-insulated hot dipped galvanised steel T<120°C NORSOK M-501 Rev. 6 Compliant for non-insulated
V6B-01	Macropoxy [™] 646 (mist) Macropoxy [™] 646 Approved topcoat ⁽¹⁾ Macropoxy [™] K267 Macropoxy [™] 5400	nized steel. For 50 100 75 225 50 100 75 225	Epoxy polyamide Epoxy polyamide Epoxy MIO Epoxy	NORSOK M-501 Rev. 6 Compliant for non-insulated hot dipped galvanised steel T<120°C NORSOK M-501 Rev. 6 Compliant for non-insulated
V6B-01	Macropoxy [™] 646 (mist) Macropoxy [™] 646 Approved topcoat ⁽¹⁾ Macropoxy [™] K267 Macropoxy [™] 5400 Approved topcoat ⁽¹⁾	nized steel. For 50 100 75 225 50 100 75 225	Epoxy polyamide Epoxy polyamide Epoxy MIO Epoxy	NORSOK M-501 Rev. 6 Compliant for non-insulated hot dipped galvanised steel T<120°C NORSOK M-501 Rev. 6 Compliant for non-insulated

⁽¹⁾ Approved topcoats (pre-qualified as part of a NORSOK M-501 System N. 1)

250

- Acrolon[™] 218 HS
- SherThane[™] 2K
- Acrolon[™] 7300
 Acrolon[™] 1850

^{(2) -} Use Macropoxy[™] L425 red oxide

Coating System No. 7 Pre-qualification required

NORSOK M-501 Rev. 6

System 7A: Carbon steel & stainless steel in the splash zone System 7B: Submerged carbon steel & stainless steel T≤50°C System 7C: Submerged carbon steel & stainless steel T>50°C

NORSOK M-501

Serial #	System Description	DFT (µm)	Product Detail	Qualification Detail
Coating s	ystem 7A - Splash zone			
N7-01	Magnalux [™] 41V	500	Vinyl ester	Qualified NORSOK M-501 Rev. 6
	Magnalux [™] 41V	500	Vinyl ester	Test Report N807251 ⁽¹⁾ Date 24/11/09
		1000	-	
Coating s	ystem 7B - Immersion T \leq 5	0°C		
N7-02	Macropoxy™ 646	175	Epoxy polyamide	Qualified NORSOK M-501 Rev. 6
	Macropoxy™ 646	175	Epoxy polyamide	Test Reports 11-368 G.2 ⁽²⁾ Date 08/01/14
		350	-	
N7-03	Dura-Plate [™] 301	150	Solvent-free tolerant epoxy	Qualified NORSOK M-501 Rev. 6
	Sher-Glass FF	450	Glass flake epoxy	Test Report 11-368 H.2 ⁽²⁾ Date 08/01/14
		600	-	
N7-04	Macropoxy™ M922	175	Glass flake epoxy	Qualified NORSOK M-501 Rev. 6
	Macropoxy™ M922	175	Glass flake epoxy	Test Report N807236 Issue 2 Date 19/02/13
		350	-	
N7-05	Macropoxy™ M922	300	Glass flake epoxy (2)	Qualified NORSOK M-501 Rev. 6
	Acrolon [™] C137V2	50	Acrylic polyurethane	Test Report N601676B ⁽²⁾ Date 29/01/07
		350	-	
N7-06	Macropoxy [™] M922	300	Glass flake epoxy	Qualified NORSOK M-501 Rev. 6
	Acrolon [™] C750V2	50	Epoxy acrylic	Test Report N 807249 ⁽²⁾ Date 17/11/09
		350	-	
N7-07	Macropoxy™ C425V2	300	Epoxy zinc phospate	Qualified NORSOK M-501 Rev. 6
	Acrolon [™] C137V2	50	Acrylic polyurethane	Test Report N807239 & N807238 ⁽²⁾ Date 17/11/09
		350	-	

⁽¹⁾ System N7-01 passed both System N.1 (ISO 20340 ageing) and System N.7-rev.5 (ISO 20340 immersion and cathodic disbondment) testing, fulfilling the criteria for NORSOK M-501 Rev. 6 compliance.

⁽²⁾ Passed ISO 20340 ageing test, fulfilling approval criteria for Norsok M501 rev. 5 and rev.6

Coating System No. 7 Pre-qualification required

NORSOK M-501 Rev. 6

System 7A: Carbon steel & stainless steel in the splash zone System 7B: Submerged carbon steel & stainless steel T≤50°C System 7C: Submerged carbon steel & stainless steel T>50°C

<u>NORSOK M-501</u>

Serial #	System Description	DFT (µm)	Product Detail	Qualification Detail
Coating s	ystem 7C - Immersion T >	50°C		
N7-08	Macropoxy™ C425V2	300	Epoxy zinc phosphate Epoxy acrylic	Qualified NORSOK M-501 Rev. 6 Test Report N601672B & N807240 Date 29/1/07 & 17/11/09 ⁽²⁾
	Acrolon [™] C750V2	50		
		350	-	
N7-09	Epo-Phen FF™	175	Epoxy novolac	Qualified NORSOK M-501 Rev. 6 Temperature ≤ 99°C Test Report N967637
	Epo-Phen FF™	175	Epoxy novolac	
		350	-	Date 14/07/15
N7-10	Nova-Plate [™] UHS	175	Solvent-free novolac epoxy	Qualified NORSOK M-501 Rev. 6 Temperature \leq 140°C Test Report N967640
	Nova-Plate [™] UHS	175	Solvent-free novolac epoxy	
		350	-	Date 15/07/15
N7-11	Nova-Plate [™] 325	175	Solvent-free novolac epoxy Solvent-free novolac epoxy _	Qualified NORSOK M-501 Rev. 6 Temperature ≤ 180°C Test Report N967639 Date 15/07/15
	Nova-Plate™ 325	175		
		350		

(1) System N7-01 passed both System N.1 (ISO 20340 ageing) and System N.7-rev.5 (ISO 20340 immersion and cathodic disbondment) testing, fulfilling the criteria for NORSOK M-501 Rev. 6 compliance.

Structural carbon steel with maximum operating temperature <80°C in internal and fully dry and ventilated areas.

A. 1 coat epoxy 150 microns

- or
- B. 1 coat zinc rich epoxy + epoxy tie coat

Serial #	System Description	DFT (µm)	Product Detail	Qualification Detail
N8-01	Macropoxy™ 646	150	Epoxy polyamide	NORSOK M-501 Rev. 6 Compliant
		150		(Option A)
N8-02	Macropoxy™ 5400	150	Epoxy -	NORSOK M-501 Rev. 6 Compliant
		150		(Option A)
N8-03	Zinc Clad [™] IV	60	Zinc rich epoxy Tie coat	NORSOK M-501 Rev. 6 Compliant
	Macropoxy [™] 920	25		(Option B)
		85	-	
N8-04	Zinc Clad [™] IV	60	Zinc rich epoxy	NORSOK M-501 Rev. 6 Compliant
	Macropoxy™ L574	25	Tie coat	(Option B)
		85	-	

Bulk supplied carbon steel valves T<150°C.

2 coats epoxy phenolic 2 x 150 microns Minimum total DFT 300 microns

Serial #	System Description	DFT (µm)	Product Detail	Qualification Detail
N9-01	Phenicon™ HS	150	Phenolic novolac epoxy	NORSOK M-501 Rev. 6 Compliant
	Phenicon [™] HS	150	Phenolic novolac epoxy	
		300	_	

NORSOK M501

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SW Oil & Gas App allows you to explore the best Sherwin-Williams coating for each area of an oil refinery, shale drilling or offshore site. From tanks to piping, cooling towers to rail tank cars, Sherwin-Williams has your coatings needs covered. With comprehensive coating specifications for every aspect of your equipment, the SW Oil & Gas App is interactive, fast and easy-to-use.

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What else would you expect from a world leader in protective coatings, linings, and fire protection?

It starts with a complete line of time-tested, high-performance products and some of the most innovative and greenest technologies in the coatings industry. But we know that it takes more than product alone to be a world leader in protective coatings and linings, and so do the customers that rely on us every day as we help them protect their business.

That's where nearly 150 years of coatings industry experience comes in. Add to that a NACEtrained workforce with a combined 3,700 years of experience in corrosion control. And the market-specific knowledge that our experts provide to evaluate, recommend and deliver the highest-performance coatings and linings that protect our customers' assets.

Leave nothing to chance. Your single source of supply. Sherwin-Williams.



To learn more, contact us

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