

NORSOK – Coating system no. 1

(Shall be pre-qualified)



Carbon steel with operating temperature < 120°C

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

Typical systems for newbuildings

Pre-qualifications tested according to Edition 5 of NORSOK M-501 are still valid as the coating systems also fulfil all requirements in Edition 6.

Other options are available – contact TSS

System no.	Surface preparation	Coating system	DFT μm	Test report number
1-85	Sa 2½	Barrier Jotacote Universal, alum. Hardtop CA	90 130 <u>80</u> 300	LAB10-0124-REP, Rev. 1 NORSOK M-501 Edition 5
1-84	Sa 2½	Barrier Jotacote Universal, alum. Hardtop Optima	90 130 <u>80</u> 300	LAB10-0123-REP, Rev. 1 NORSOK M-501 Edition 5
1-109	Sa 2½	Barrier Jotacote Universal, alum. Hardtop Optima	90 130 <u>60</u> 280	3410-09-0023 Mt01 NORSOK M-501 Edition 5
1-62	Sa 2½	Barrier Jotacote Universal, alum. Jotaproof Topcoat	75 175 <u>60</u> 310	3410-06-0029 Mt01, Rev. A NORSOK M-501 Edition 5
1-94	Sa 2½	Barrier Jotamastic 90, alum. Hardtop XP	60 160 <u>60</u> 280	LAB11-0833-REP NORSOK M-501 Edition 5
1-95	Sa 2½	Barrier Jotamastic 90, alum. Hardtop Optima	60 160 <u>60</u> 280	LAB11-0834-REP NORSOK M-501 Edition 5
1-96	Sa 2½	Barrier Jotamastic 90, alum. Hardtop CA	60 160 <u>60</u> 280	LAB11-0835-REP NORSOK M-501 Edition 5
1-102	Sa 2½	Barrier Penguard Express Hardtop XP	75 150 <u>60</u> 285	LAB10-0821-REP NORSOK M-501 Edition 5
1-82	Sa 2½	Barrier Jotamastic Plus Hardtop Optima	75 130 <u>75</u> 280	3410-08-0043 Mt01 NORSOK M-501 Edition 5

1-74	Sa 2½	Barrier Jotamastic 87 Aluminium WG Hardtop XP	75 160 <u>75</u> 310	LAB08-0832-REP NORSOK M-501 Edition 5
1-143	Sa 2½	Barrier Jotamastic 90 WG Hardtop One	60 160 <u>60</u> 280	SL16617 NORSOK M-501 Edition 6
1-133	Sa 2½	Barrier Jotamastic 90 WG Hardtop Pro	60 160 <u>60</u> 280	3400-15-022579 Mt05 NORSOK M-501 Edition 6
1-134	Muki Z 2001 Sweep blast	Barrier Jotamastic 90 WG Hardtop Pro	60 160 <u>60</u> 280	3400-15-022579 Mt06 NORSOK M-501 Edition 6
1-135	Muki Z 2001 Sweep blast	Barrier Jotamastic 90 WG Hardtop Pro	75 130 <u>75</u> 280	3400-15-022579 Mt08 NORSOK M-501 Edition 6
1-87	Sa 2½	Barrier Penguard Plus Hardtop CA	90 140 <u>60</u> 290	LAB10-0131-REP NORSOK M-501 Edition 5
1-86	Sa 2½	Barrier Penguard Plus Hardtop Optima	90 130 <u>60</u> 280	LAB10-0132-REP NORSOK M-501 Edition 5
1-136	Sa 2½	Barrier Penguard Universal Hardtop AX	60 160 <u>60</u> 280	3400-15-022579 Mt09, Rev.1 NORSOK M-501 Edition 6
1-129	Sa 2½	Barrier Penguard Universal, alu Hardtop Pro	60 160 <u>60</u> 280	3400-15-019770 Mt02 NORSOK M-501 Edition 6
1-98	Sa 2½	Barrier Plus Jotacote Universal, alum. Hardtop XP	60 160 <u>60</u> 280	3410-10-0049 Mt06 NORSOK M-501 Edition 5
1-107	Sa 2½	Barrier Plus Jotamastic 90 WG, alum. Hardtop CA	60 160 <u>60</u> 280	3410-12-009182 Mt03 NORSOK M-501 Edition 6
1-105	Sa 2½	Barrier Plus Jotamastic 90 WG, alum. Hardtop Optima	60 160 <u>60</u> 280	3410-12-009182 Mt01 NORSOK M501 Edition 6

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1-106	Sa 2½	Barrier Plus Jotamastic 90 WG, alum. Hardtop XP	60 160 <u>60</u> 280	3410-12-009182 Mt02 NORSOK M501 Edition 6
1-103	Sa 2½	Barrier Plus Penguard Pro Hardtop Optima	60 150 <u>75</u> 285	SL 12020 NORSOK M-501 Edition 5
1-108	Sa 2½	Barrier Plus Penguard Pro Hardtop XP	60 160 <u>60</u> 280	SL 13342 NORSOK M-501 Edition 6
1-118	Sa 2½	Barrier Plus Penguard Pro Hardtop AX	60 160 <u>60</u> 280	3410-015786 Mt02 NORSOK M-501 Edition 6
1-117	Sa 2½	Barrier Plus Penguard Universal Hardtop AX	60 160 <u>60</u> 280	3410-015786 Mt01 NORSOK M-501 Edition 6
1-144	Sa 2½	Barrier Plus Penguard Universal Hardtop One	60 160 <u>60</u> 280	SL 16618 NORSOK M-501 Edition 6
1-120	Sa 2½	Barrier Plus Penguard Universal Hardtop Optima	60 160 <u>60</u> 280	3410-015786 Mt03 NORSOK M-501 Edition 6
1-128	Sa 2½	Barrier Plus Penguard Universal Hardtop Pro	60 160 <u>60</u> 280	3400-15-019770 Mt01 NORSOK M-501 Edition 6
1-123	Sa 2½	Barrier Plus Penguard Universal Jotaproof Topcoat	60 160 <u>60</u> 280	3410-015786 Mt06 NORSOK M-501 Edition 6
1-76	Sa 2½	Resist 78 Jotacote Universal, alum. Hardtop XP	60 160 <u>60</u> 280	3410-07-0055 Mt03 NORSOK M-501 Edition 5
1-64	Sa 2½	Resist 78 Jotamastic 87 Aluminium Hardtop XP	60 170 <u>50</u> 280	3410-07-0001 Mt02 NORSOK M-501 Edition 5
1-97	Sa 2½	Resist 78 Jotamastic 90, alum. Hardtop Optima	60 160 <u>60</u> 280	LAB11-0836-REP NORSOK M-501 Edition 5

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1-78	Sa 2½	Resist 78 Penguard Plus Jotaproof Topcoat	75 130 <u>75</u> 280	3410-08-0029 Mt05 NORSOK M-501 Edition 5
1-80	Sa 2½	Resist 86 Jotacote Universal, alum. Hardtop Optima	75 130 <u>75</u> 280	LAB09-0716-REP NORSOK M-501 Edition 5
1-79	Sa 2½	Resist 86 Jotamastic Plus Hardtop Optima	75 130 <u>75</u> 280	LAB09-0715-REP NORSOK M-501 Edition 5
1-68	Sa 2½	Resist 86 Jotamastic Plus Jotaproof Topcoat	80 150 <u>75</u> 305	3410-07-0047 Mt03 NORSOK M-501 Edition 5
1-81	Sa 2½	Resist 86 Penguard Tie Coat 100 Penguard Plus Hardtop CA	60 30 130 <u>75</u> 295	3410-08-0050 Mt05 NORSOK M-501 Edition 5
1-40	Sa 2½	Resist 86 Penguard Tie Coat 100 Jotamastic Plus Jotaproof Topcoat	75 35 200 <u>75</u> 385	410-02-0033 M03, NORSOK M-501 Edition 4
1-130	Sa 2½	Resist 86 Penguard Tie Coat 100 Jotamastic Plus Hardtop Pro	60 30 130 <u>75</u> 295	3400-15-019770 Mt03 NORSOK M-501 Edition 6
1-131	Sa 2½	Resist 86 Penguard Tie Coat 100 Jotamastic 90 WG Hardtop Optima	75 35 150 <u>80</u> 340	3400-15-019770 Mt04 NORSOK M-501 Edition 6
1-90	Sa 2½	Baltoflake Baltoflake	700 <u>700</u> 1400	3410-10-0014 Mt03 NORSOK M-501 Edition 5
1-112	Sa 2½	Muki EPS Baltoflake Baltoflake	25 600 <u>600</u> 1225	SL 13349 NORSOK M-501 Edition 6
1-124	Sa 2½	Baltoflake Baltoflake FC	700 <u>700</u> 1400	3400-14-015786 Mt 11 NORSOK M-501 Edition 6
1-91	Sa 2½	Baltoflake Ecolife Baltoflake Ecolife	700 <u>700</u> 1400	3410-10-0014 Mt04 NORSOK M-501 Edition 5

1-111	Sa 2½	Baltoflake Ecolife Baltoflake Ecolife	600 <u>600</u> 1200	SL 12374 NORSOK M-501 Edition 6
1-113	Sa 2½	Muki EPS Baltoflake Ecolife Baltoflake Ecolife	25 600 <u>600</u> 1225	SL 13350 NORSOK M-501 Edition 6
1-137	Sa 2½	Marathon 1000 GF Marathon 1000 GF Hardtop Pro	500 500 <u>75</u> 1075	3400-15-022579 Mt 10 NORSOK M-501 Edition 6

Typical systems for maintenance

Pre-qualifications tested according to Edition 5 of NORSOK M-501 are still valid as the coating systems also fulfil all requirements in Edition 6.

System no.	Surface preparation	Coating system	DFT µm	Test report number
1-58	UHPWJ	Barrier Jotamastic Plus Jotaproof Topcoat / Hardtop PS5*	75 150 <u>75</u> 300	SFT80MK F06047 NORSOK M-501 Edition 5
1-142	Sa2½	Barrier Plus Jotamastic Smart Pack Hardtop One	60 160 <u>60</u> 280	SL 16615 NORSOK M-501 Edition 5
1-151	Sa2½	Jotamastic Smart Pack Jotamastic Smart Pack Hardtop XP	100 100 <u>50</u> 250	LAB15-0015-REP Rev.1 ISO 20340
1-125	St 3	Jotamastic 80, alum. Jotamasdtic 80, alum. Hardtop XP	100 150 <u>50</u> 300	3410-13-012057 ISO 20340

* NORSOK M-501 Edition 6 and switching of topcoats:

“If agreed by the purchaser, the approved topcoat in a pre-qualified coating system, may substitute another pre-qualified topcoat, provided the intermediate coating is the same and the film-thickness of the topcoats are equal”

Please contact Technical Sales Support department ([+47 33457000](tel:+4733457000) or tss@jotun.com) for further information.