

TYPE APPROVALS

1891

a five page issue

June 2007
revision of November 2006

PRODUCT NAME	a- INSTITUTE b- DATE OF REPORT/REF c- VALIDITY d- PRODUCT SHEET/REF. e- SURFACE PREPARATION f- NUMBER OF COATS g- MINIMUM DFT MICRONS	CONCLUSION
SigmaCover 256 (75 µm)	a- Russian Research Institute CNIIS	the atmosphere resistance of this system is 15 years
SigmaCover 456 (435) (100-125 µm)	b- 2006, CM-05-5355/6 c- --	
SigmaDur 520 (550) (50 µm) (Total 225-250 µm)	d- 7412, 7466 (7465), 7524 (7537) e- acc. to data sheet f- acc. to data sheet g- acc. to data sheet	
SigmaCover 256 (100 µm)	a- Russian Research Institute CNIIS	the atmosphere resistance of this system is 15 years
SigmaCover 456 (90 µm)	b- 2006, CM-05-5355/6 c- --	
SigmaDur 520 (550) (50 µm) (Total 240 µm)	d- 7412, 7466, 7524 (7537) e- acc. to data sheet f- acc. to data sheet g- acc. to data sheet	
SigmaCover 300 (Sigma TCN 300)	a- Germanischer Lloyd b- 09-08-2006, GL-KORR 1103HH 1 c- 30-04-2009 d- 7472 e- ISO 8501:1988 Sa2½ and acc. to data sheet f- 1 g- 250 µm	In compliance with relevant Rules for Construction and Classification Part 1 Section 35. Area of use: ballast water tanks
SigmaCover 630	a- Germanischer Lloyd b- 15-04-2005, GL-KORR 1092HH 1 c- 28-02-2008 d- 7340 e- ISO 8501-Sa2½ or acc. to data sheet f- 1 g- >250 µm	In compliance with relevant Rules for Construction and Classification Part 1 Section 35. Areas of ship: ballast water tanks.

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SigmaGuard 240 and SigmaGuard 440 (SigmaGuard Tankshield primer and coating)	a- Germanischer Lloyd b- 29-09-2005, GL-CORR 1024 and 1025HH 2 c- 30-11-2008 d- 7400, 7473 e- SA 2½ ISO 8501 or acc. to data sheet. f- 2 g- 250-300 µm	In compliance with relevant Rules for Construction and Classification Part 1 Section 35. Areas of ship: seawater ballast tanks, voids, and cofferdams in seagoing ships
SigmaGuard BT primer and coating (SigmaGuard 225 and SigmaGuard 425)	a- American Bureau of Shipping b- 03-11-1997, 97N023042-X c- -- d- 7921, 7953 e- acc. to data sheet f- acc. to data sheet g- acc. to data sheet	Long term protection for ballast tanks and steel structures, including resistance against corrosion and water.
SigmaGuard 225 and SigmaGuard 425 (SigmaGuard BT primer SigmaGuard BT)	a- Germanischer Lloyd b- 03-04-2007, GL-KORR 1148HH c- 31-03-2010 d- 7921, 7953 e- ISO 8501-1:1988 SA 2½ or acc. to data sheet f- 2 g- 100 µm (SigmaGuard BT primer) 250 µm (SigmaGuard BT)	In compliance with relevant Rules for Construction and Classification Part 1 Section 35. Areas of use: ballast water tanks
SigmaGuard CSF (SigmaGuard CSF 650)	a- Det Norske Veritas b- 25-05-2004, K-2570 c- 30-06-2008 d- 7443 e- acc. to data sheet f- acc. to data sheet g- acc. to data sheet	SigmaGuard CSF complies with Det Norske Veritas' Type Approval Programme 1-602.1, 1999, Protective Coatings Systems. Prevention of pitting corrosion in oil cargo tanks.

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Sigmaguard CSF (SigmaGuard CSF 650)	a- Germanischer Lloyd b- 16-11-2006, GL-KORR 1080HH 2 c- 30-11-2009 d- 7443 e- ISO 8501-Sa2½ or acc. to data sheet f- 1 g- 300 µm	In compliance with relevant Rules for Construction and Classification Part 1 Section 35. Areas of ship: seawater ballast tanks.
SigmaPrime (SigmaPrime 200) Sigma CM coating (SigmaCover 456) Sigmadur gloss (SigmaDur 550)	a- Italian Ministry of Defence b- 01-07-2004, 03 c- 01-07-2009 d- 7416, 7466, 7528 (7537) e- acc. to data sheet f- acc. to data sheet g- acc. to data sheet	for topside/superstructures
SigmaPrime (SigmaPrime 200) SigmaCover 525 Sigma EcoFleet 530	a- Italian Ministry of Defence b- 13-12-2005, 013 c- 13-12-2010 d- 7416, 7902, 7385 e- acc. to data sheet f- acc. to data sheet g- acc. to data sheet	for boottop
SigmaPrime 200 series (SigmaPrime)	Germanischer Lloyd b- 23-01-2006, GL-KORR 1102HH 1 c- 31-01-2009 d- 7416 e- ISO 8501-SA 2½ f- g- >250 µm	In compliance with relevant Rules for Construction and Classification Part 1 Section 35. Areas of use: ballast tanks.

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SigmaPrime 700 on SigmaWeld MC (SigmaWeld 199)	a- Germanischer Lloyd b- 31-08-2006, GL-KORR 1137HH c- 31-08-2009 d- 7416/7177 e- ISO 8501-Sa2½ and acc. to data sheet f- 2 g- 250 µm	In compliance with the relevant Rules for Construction and Classification Part 1 Section 35.
Sigmarite flightdeck primer and coating	a- DERA b- 06-06-2001, DERA/FST/SMC/RF010528 c- -- d- 7937, 7969 e- acc. to data sheet f- -- g- --	Wear testing: the panels as supplied met the wear resistance requirements of Defence Standard 80-134/2 Table 1 Test 16. Anti-slip properties: the panels as supplied met the anti-slip properties of Def Stan 80-134/2 Table 1 Tests 17 and 18
SigmaShield 1200 (Sigma Novashield)	a- Lloyd's Register b- 06-02-2006, MNDE/2003/1277 c- 01-03-2008 d- 7744 e- ISO-SA 2½ f- -- g- 400-500 µm	Recognised abrasion resistant ice coating
SigmaShield 460 (Sigma Glassflake)	a- Lloyd's Register b- 06-02-2006, MNDE/2006/2001 c- 08-04-2009 d- 7952 e- ISO-SA 2½ f- -- g- minimum 400 µm	Recognised abrasion resistant ice coating

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SigmaTherm 350	a- Det Norske Veritas b- 03-04-2007, DNV/MT/R20070040 c- -- d- 7565 e- -- f- -- g- --	heat resistance test of paint-coated panels to ASTM D2485 (Method B)
SigmaZinc 158 (60-75 µm) SigmaCover 435 (456) (100-125 µm) SigmaDur 520 (50-75 µm) (Total 210-250 µm)	a- Russian Research Institute CNIIS b- 2006, CM-05-5355/6 c- -- d- 7412, 7465 (7466), 7524 e- acc. to data sheet f- acc. to data sheet g- acc. to data sheet	the atmosphere resistance of this system is 15 years
	a- Indian Navy b- 26-03-2004, 0528 c- -- d- -- e- -- f- -- g- --	It is to confirm that presently M/S Sigma Marine a& Protective Coatings (India) PVT. LTD. is one of the short listed firms for supply of some of Marine paints in use by Indian Navy

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