



Ministry
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de&s

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WARPAINT

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Equipping and Supporting our Armed Forces

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The information on acceptable paint systems / coatings, given in this publication, updates WARPAINT Issue 56 – April 2025.

INTRODUCTION

1. This will be the last version of Warpaint in its current format. In 2026 warpaint will continue to be released in April and October. The publication will then move to an annual publication date of October. The document will align with the new version of BR 3939 which will be published in 2026.
2. Readers are encouraged to send feedback on the content of Warpaint and what is important or missing from the current format. Comments to be sent to [DESShips-ENG-TES-husbandry](#).
3. Where suppliers have been contracted to a particular version of Warpaint they should request a copy through their customer or MOD Authority.
4. WARPAINT is the main guidance document of acceptable paint coatings for all in-service and new-build Royal Naval (RN) Vessels. It is to be read in conjunction with the policy document Books of Reference (BR) 3939 'Hull Preservation Processes' Issue 5.
5. WARPAINT offers guidance on the various approved 'Commercial Off the Shelf' (COTS) protective coatings that have been assessed for their health and safety, fire characteristics and performance suitability, including additional certification where required, when applied to various areas of RN Vessels In Accordance With (IAW) BR 3939 Issue 5.
6. WARPAINT is used to disseminate changes to Ministry of Defence (MoD) policy or guidance in between major updates of BR 3939 Issue 5 or any of the other paint related Defence Standards (Def Stan(s)).
7. Not all approved coatings are necessarily listed in WARPAINT as paint manufacturers are constantly striving to improve their current paint systems. Consequently, the Annexes are regularly updated. Should a coating therefore be proposed, which is not listed in the current issue of WARPAINT, confirmation of acceptance must be obtained from DES Ships-Eng-TES-Husbandry before it is used.
8. All paint coatings listed in the Annexes are to be applied strictly IAW their respective Product / Technical Data Sheets (PDS / TDS), Safety Data Sheets (SDS) and Application Instructions. This includes all aspects of the preparation stage and post application. PDS's define a process that must be followed in conjunction with the TDS and SDS. Full Quality Control (QC) data must be recorded to provide assurance and evidence that the specification has been satisfactorily achieved IAW BR 3939 Issue 5.
9. WARPAINT is only available electronically. The current version can be easily downloaded from the link below:
 - a. <https://www.gov.uk/government/publications/warpaint>

AMENDMENTS TO ISSUE 56

10. Front cover: HMS STIRLING CASTLE enters the Mersey from a long rest alongside BIRKENHEAD and after a transfer of ownership from RFA to RN. She now sets sail to embark on OST and trials to develop the future of the MHC. Taking on the role of mothership to the MTXG's.
11. Warpaint Approval process section updated and figure 1 approval flow chart removed.
12. (RNHHD) & MAST Sections removed.
13. Paint Information Card and Cleaning Information Card section updated to include new RNTMs.
14. Design section retitled Design and In-service Maintenance
15. Needle gun section updated to include reference to Maritime Anti Corrosion (MAC) Kit.
16. Rust Stain Removers section updated to include details from S2022A.
17. In water Hull Cleaning section and MAP 01 – 26 removed from document.
18. Husbandry Current Work removed from document
19. References updated to reflect latest versions.

Annex Updates:

20. WFT, Min and Max overcoating times, VOC and Type have been removed from Annexes B and C.
21. All table titles have been extracted and placed above the table to meet accessibility requirements.
22. Annex A: NATO Stock Numbers (NSNs) and DStan 07-247 categories have been reviewed to ensure they are still correct.
23. Annex B: DStan 07-247 categories have been reviewed to ensure they are still correct. Product certification has now been reviewed to ensure they are still in date.
24. Annex C: DStan 07-247 categories and Submarine Toxicity Database (SMTD) reference have been reviewed to ensure they are still correct. Products with expired SMTD references have been removed and those removed in the previous issue of WARPAINT that have now been reassessed have been reintroduced. Product certification has now been reviewed to ensure they are still in date.
25. Annex D: has been updated to ensure that all products are able to order and products that are not present in Annexes A, B and C have been removed. All SMTD references and NSNs have been reviewed to ensure that they are still correct.
26. Annex E & F: removed.

WARPAINT APPROVAL PROCESS

27. Paint coatings on all RN surface ships and submarines are to be WARPAINT compliant.
28. The approval process is transitioning to a specification-based assessment, so new paint approval requests are not being accepted at this time. Paint manufacturers with submissions in the current process will be contacted to determine whether their requests should be moved to the new system's approval process.
29. Manufacturers shall notify [DESShips-ENG-TES-husbandry](#) of any changes to the formulation or the withdrawal of the product as soon as it is known.
30. DES Ships-Eng-TES-Husbandry have the right to remove a product from WARPAINT if it no longer meets the requirements of BR 3939 Issue 5 or has not performed to the requirements of BR 3939 Issue 5 in service.

DE&S WATERFRONT ENGINEERING TEAM

31. The Waterfront Engineering Team's (WET) primary role is to provide oversight of platform material state in accordance with the process defined in BP145;
 - a. Working as part of the Ships Engineering, providing waterfront support across all platforms and engineering disciplines in line with the common support model and future maritime Support Contract (FMSP).
 - b. Defining and assure compliance to policy relating to Husbandry, Bio Security, Habitability and Flight deck safety.
 - c. Supporting collaborative working practices with key stakeholders in DE&S, industry, and our client (the Royal Navy).
 - d. Providing assurance that industry is fulfilling their contractual obligations.
 - e. Providing feedback on opportunities to improve processes, tasking priorities, defect rectification and material state reporting driving, where necessary, changes to policy and guidance information.
 - f. Producing material state reports/advice covering, flight deck, hull and structure, (husbandry), bio fouling, coating performance and habitability standards.
 - g. Support aviation safety group with aviation inspections, including line out verification, flight deck safety checks, flight deck coatings assurance etc.
 - h. Waterfront Subject Matter Experts (SMEs) supporting trials and inspection of new and existing coating including efficiencies and innovation initiatives.
 - i. Investigate and report safety related defects.
32. WET Contact Details:
 - a. Devonport Waterfront Engineering Team (DWET) – DESShips-Eng-TES-DWET@mod.gov.uk
 - b. Portsmouth Waterfront Engineering Team (PWET) - DESShips-Eng-TES-PWET@mod.gov.uk

33. The Devonport and Portsmouth Engineering Teams will support platforms at their respective locations including Falmouth, Clyde & Rosyth, and all forward deployed platforms.

ROYAL NAVY (RN) HUSBANDRY ROLE

34. RN Ships Staff Ship shall contact NAVY-SURFLOT ENG WO1 HUSB for any support they require for Ships Husbandry.

SHIPS RESPONSIBILITY FOR PAINT REPAIRS

35. Ships Company are responsible for paint repairs of up to 1m², referring to BR 3939 Issue 5 for specialist information, and utilising Preservation Application & Work Instruction Forms (PAWIF). A robust Ship Husbandry management organisation is a necessity to enable the smooth running and planning of all Ship Husbandry activities. These responsibilities are Fleet wide, and across ALL classes of vessels.

Note: Platforms running with the Contract Logistics Support/Contracting for Availability (CLS / CfA) contracts are required to liaise with their respective Platform Managers for approval before any preservation work is carried out.

36. The mixing of different supplier's coatings in any given paint system is prohibited. If it becomes essential, then it will only be permitted with the written approval of the relevant MOD Platform Project Group and DES Ships TES Husbandry.
37. It is vital that paint products are correctly cared for. Demands are to be promptly embarked in to approved stowage's upon receipt. Environmental conditions can significantly reduce shelf life, therefore products where possible should not be exposed to temperatures above 25°C or below 15°C. Ships staff are encouraged to monitor the correct stowage of products used by contractors during FTSP which are to be held in approved climatically controlled jetty paint stowage's managed by the service provider. Products that have exceeded their shelf life are to be correctly disposed of adhering to relevant local instructions. Safe custody/storage considerations are to be considered when setting the Required Delivery Date for submitting long-lead item demands to ensure that the products are delivered as close to the point of use as possible.

PAINT INFORMATION CARDS (PIC)

38. Royal Navy Technical Memorandum (RNTM) 03-063/25 Has been released. Ships are to read this RNTM and follow the instructions. Paint Information Cards (PIC) found in BR 3939 Issue 5 Annex H are not to be used.

CLEANING INFORMATION CARDS (CIC)

39. Royal Navy Technical Memorandum (RNTM) 03-076/25 Has been released. Ships are to read this RNTM and follow the instructions. The new cleaning information cards replace the ones in BR2203.

ORDERING PAINTS FOR IN-SERVICE PLATFORMS

40. The process for demanding paint products differs depending on the status of the unit. For Fleet Time units, the process will be managed by the Logistics Support Operations Centre (LSOC). This has replaced the older process commonly referred to as FLAGO's painting. Non-Fleet

Time units are not to demand paint via the LSOC route. Paint products are to be provided and managed by the relevant contractor.

41. It is important to adequately plan for FTSP to ensure stock is delivered when required. Large demands required for FTSP shall be communicated to DES LSOC-LS-MS-SIM in advance to confirm availability, noting some specialist products may have production lead times more than 3 months. Where the timelines for provision of paint products exceed normal FTSP planning timelines they are to be treated as long lead items and ordered in advance of normal FTSP demands.

SAFE CUSTODY – SHIP STAFF

42. Work is ongoing to create a class type allowances list; however, as an interim measure, units are to limit holdings to products specifically related to the repair of areas listed below.
 - a. External decks,
 - b. External superstructure,
 - c. Dry Internal compartment decks, bulkheads and deck heads,
 - d. Bilges,
 - e. Damage control markings.
43. Specialist products such as antifouling or internal tank paints should not be routinely carried. Non deployed units should limit holdings to cover approximately three months of preservation tasks already formally captured in the ships E husbandry log.

QUALITY

44. Quality is an important aspect to painting and cannot be underestimated. It is paramount that robust processes are in place and adhered to. IAW BR 3939 Issue 5 Section 14 Quality Assurance & Quality Control (QC) outlines the requirement for a Preservation Quality Plan (PQP) and variable check points in the process as well as the qualification level of the paint inspectors. In addition, the requirements of Annex C of BR 3939 Issue 5 must also be noted.
45. PQPs are required ahead of all Fleet Time Support Periods (FTSP) and Upkeeps. Waterfront Engineering Teams and DES Ships TES Husbandry are to be consulted during the development of the PQP and are to be approved and signed by the Platform Authority.
46. Periodic checks should be carried out by the prime contractor to ensure that only qualified painters and blasters carry out work on RN vessels and that qualifications are in date IAW BR 3939 Issue 5 para 1408.
47. At the completion of any work undertaken on surface ships copies of the paint specification, QC records and Certificate of Conformity (CofC) IAW the PQP shall be forwarded to the relevant Waterfront Engineering Team as per paragraph 32 for inputting in to Maritime Assurance Support Tool (MAST).
48. New Submarine Design Authority Requirement (DAR) Deliverable. On completion of the maintenance period, all CofC produced IAW BR 3939 Issue 5 to be forwarded to SDA-IS-Struc3.

49. For submarine docking maintenance periods, an additional request to forward a "Declaration letter of antifouling system compliance with AFS/CONF/26 to SDA-IS-Struc3 and SDA-IS-EnvMgr is required.
50. For additional advice of the deliverables in para 48 & 49 contact SDA-IS-Struc3 in advance of delivery.

SAFETY TOPICS (TO BE READ IN CONJUNCTION WITH BR 3939)

NEEDLE GUNS

51. No ships should have needle guns onboard, and no RN personnel are to use needle guns. RN personnel are only permitted to use the Maritime Anti Corrosion (MAC) kit that has been supplied to all ships. For advice, please contact NAVY-SURFLOT ENG WO1 HUSB.
52. The use of needle guns is prohibited and has been for many years now as far back as issue 23 September 2006. Needle guns although effective at removing paint tend topeen the surface which can lead to entrapment of corrosion and other contaminants which leads to the premature failure of coatings.
53. There is also the Health and Safety Executive (HSE) issue with regards to Hand Arm Vibration Syndrome (HAVS). Employers should check their obligations under the Control of Vibration at Work Regulations 2005. Details can be found on HSE website <https://www.hse.gov.uk/vibration/hav/index.htm>.
54. The surface preparation standard for cleanliness and profile must be met IAW BR 3939 Issue 5. The use of needle guns by shipyards and their contractor's should be kept to a minimum for the reasons stated in para 51 and 53. Alternative preparation tools should be used where possible.

PROHIBITED COATINGS

55. The Institute of Naval Medicine (INM) have advised that the use of coatings containing, or based on the following, represent a significant health and safety risk:
 - Bitumen,
 - Chlorinated, brominated and fluorinated Rubbers,
 - Chromate based pigments,
 - Coal Tar,
 - Cybutryne IAW RESOLUTION MEPC.331(76),
 - Isocyanates,
 - Lead based pigments,
 - Tin.
56. Therefore, IAW BR 3939 Issue 5 Section 3 material requirements, coatings containing these substances are prohibited for use on RN Surface Ships and Submarines. This includes both the ship's structure and equipment installed on board ships and submarines.

57. Materials are constantly being assessed by the HSE and therefore the list of prohibited coatings will be updated to reflect these changes. Currently Medium-Chain Chlorinated Paraffins (MCCP), Persistent Organic Pollutants (POPs) and per-and Polyfluoroalkyl Substances (PFAS) are being reviewed by the HSE.

FIRE AND TOXICITY STANDARD AND CLASSIFICATION

58. Paint systems used in the WARPAINT areas shown in Table 1 shall meet the fire and toxicity requirements in Def Stan 07-247 'Selection of Materials on the Basis of their Fire Characteristics'.

Table 1. WARPAINT Areas that Require Fire and Toxicity Certification

Surface Ships (WSS)	Submarines (SS)	Annex A
G&H Above Water Hull and Superstructure Primer	S7 Internal Dry Spaces	A7 Peelable Corrosion-Inhibiting Encapsulated Membrane
J Above Water Hull and Superstructure Finish	S8 Internal Wet Spaces	A9 Flight Deck / Deck Markings
K Flight and Weather deck	S12 Reactor Compartment	A12 Instruments & Electronic Equipment Panels
L&M Interior dry compartments	S13 Interior Decks	A13 Galvanised Steel & Zinc Metal Spray (Repair)
N&O Interior wet compartments	S14 Battery Compartments	A14 Woodwork (High gloss, Clear, Protective Finish)
P Interior Decks	S15 Machinery Bilges & Rafts	A17 Heat Resistant Coatings (Below 175°C)
Q Battery Compartments	S21 Holding Primers	A18 Heat Resistant Coatings (Above 200°C)
R Cable Lockers & Cofferdams	S22 Primers for Non-Ferrous Metals	A19 Heat Resistant Coatings (Above 400°C)
T Machinery Bilges		A26 Damp Surface Primer
Y Holding Primers		A27 Hangar Door Finish
Z Primers for Non-Ferrous Metals & FRP		A30 Powder Coatings (Internal)
		A31 Powder Coatings (External)

59. Fire & toxicity testing shall be carried out on a paint system and not the individual products. It is the responsibility of paint manufacturer to provide evidence that the testing requirements have been completed for all paint systems that fall into the areas shown in Table 1.
- The types of tests required are shown below:
 - Fire propagation internal paint systems,
 - Resistance to surface spread of flame,
 - Smoke index of products of combustion,

e. Toxicity index of products of combustion.

60. The acceptable test standards can be found in Def Stan 07-247, which is available upon request.
61. The paint manufacturer shall provide all test data which will then be assessed by SDA-TD-NATG-MT3 Once assessed the paint system will be given a category, outlined in Table 2, and will be added to the Naval Authority System (NAS) materials database.
62. The six categories within Def Stan 07-247 are shown in Table 2. Paint systems shall only be used in WARPAINT if they meet category A1 or A2. Paint systems that are categorised as B may be used if there is no suitable alternative and the Platform Authority accept the risk and have mitigation in place that meets the NATG requirements.

Table 2. Def Stan 07-247 Categories

Category	Definition
A1	Approved for use on both submarines and surface ships from a fire characteristics point of view only. This does not imply that the material is fit for purpose.
A2	Not fully satisfactory but approved for use in both submarines and surface ships from a fire characteristic point of view only. This does not imply that the material is fit for purpose.
B	Not fully satisfactory but may be accepted in the situation(s) given.
C	Not approved for use in Surface Ships or Submarines.
D	Those materials which are no longer available, no longer specified or have not been fully fire tested.
U	Uncategorised. This might be because not all the evidence to support a category have been compiled, it might be awaiting test results from the lab or detail is yet to be confirmed.
PA	Pending Assessment

63. Paint systems that are currently being reviewed by the NATG will remain as Pending Assessment until a conclusion is drawn. Category B paint systems will be greyed out and a compliant system from an alternative manufacturer should be used unless the Platform Authority has agreed to its use with justification and the appropriate concession paperwork completed.

DESIGN AND IN-SERVICE MAINTANENCE

64. During the design phase of a vessel either in build or in service it is essential that engineers are aware of the impact of corrosion and to use best practice when designing new structures and systems. A good guide for engineers is the Marine Paint Forums "Guidance information on design for preservation and corrosion control for steel hulled vessels". Membership of the Marine Paint Forum is made up of the Paint Suppliers, Paint Applicators, MOD, Consultants and UK Shipyards.
65. Where new ships are designed for forward deployment once in service it is essential that acquisition teams ensure paint systems used in build are appropriate for the environment that they will be operating in and are available worldwide DES Ships-Eng-TES-Husbandry are to be consulted to support acquisition teams in developing paint schedules.

66. MOD Ship Acquisition and in-service platform teams should refer to the following documents in line with Knowledge in Defence (KiD) when specifying paint requirements:
- Def Stan 21-005 Code of Practice for Protective Finishes
 - BR 3939 Issue 5
 - WARPAINT

DESIGN TARGET LIFE OF COATINGS

67. The expected design life of coatings applied to RN vessels, IAW the performance requirements of BR 3939 Issue 5 and International Standard Organization (ISO) 12944 'Paints and varnishes — Corrosion protection of steel structures by protective paint systems' the paint manufacturer's declaration, shall meet the design lives shown in Table 3:

Table 3. Target Design Life of Coatings

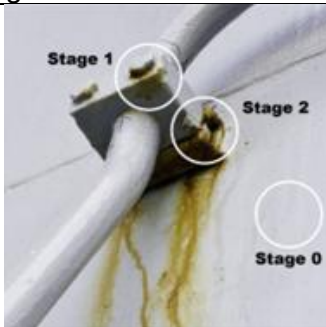
Description	Design Life
Holding Primer	6 Months
Hull Primer	20 Years
Antifouling	5 Years
Antifouling Foul Release	6 Years
Internal Primer	25 Years
Internal Finish	15 Years
External Finish	5 Years
Tank Coatings	15 Years
Bilges	25 Years

68. Where Bilges are not zinc metal sprayed, they shall meet the 25-year design life using alternative approved coatings IAW BR 3939 Issue 5.

THE 4 STAGES OF CORROSION

69. Table 4 below is to assist surveyors and ships staff to categorise the level of corrosion that has been identified through routine survey.

Table 4. Stage of Corrosion

			
Figure 1. Corrosion Stages 0, 1 and 2		Figure 2. Corrosion Stages 3 and 4	
Stage 0	No visible signs of corrosion. No indications of paint system defects. No visible sign of oxidation products.		
Stage 1	General surface corrosion is visible. Small blisters or cracks in the paint coating. Red / Orange rust staining becoming evident & deposits from water run-offs developing.		
Stage 2	Heavy corrosion is visible. Severe blister or cracking in the paint coating. Prominent rust staining is now visible with medium to heavy deposits from water run-offs.		

Stage 3	Sever corrosion has resulted in visible metal loss at the point of attack to the point that structural integrity may have been compromised. Very prominent rust staining is visible, with heavy deposits from water run-offs.
Stage 4	Complete perforation of the base metal has occurred, and structural integrity has been lost

HOLDING PRIMERS

70. Holding primers are used to protect the blast profile of prepared carbon steel from corrosion. They are a temporary coating that can be used as part of a paint system if they are maintained IAW the manufacturer's guidance.
71. Where the surface of the holding primer has been left for extended periods of time and exposed to ultraviolet light, damp, dirt and grease as well as wear and tear from the build or maintenance processes it will be necessary to inspect the surface to ensure it is in a suitable condition for overcoating.
72. The surface shall be cleaned, free from dirt and grease and any areas of damage shall be repaired. Holding primers shall be removed if they have been left for ≥ 9 months unless the paint manufacturer guarantees there will be no failure in the paint system over its lifetime.

SUBMARINE BATTERY COMPARTMENT LINING REPAIR

73. The battery compartment lining is to be repaired using only specialist rubber compounds stated in ANNEX A, please note that the Pang/Truflex "Super Solution" (A1344) must not be used while conducting rubber lining repairs as this item is prohibited for use on HM submarines. Repairs to battery lining should not be completed using a preservation coating, please contact SDA-IS-Struc3 for further information. Procurement of compounds should be sought well before maintenance period due to long lead times.

RUST/STAIN REMOVER

74. Stain removers can influence the life expectancy of coatings and therefore are to be used sparingly and only once the initial corrosion issue has been rectified.
75. International Interplus 4101 & 4103 have been tested and are approved for removing rust stains. These products are special order and have a long lead time. Therefore, they need to be ordered ahead of time.
76. Interplus 4101 & 4103 should only be used during port visits, to enable application IAW manufacturer instructions.
77. During deployment ships should be regularly carrying out freshwater wash IAW the recently published Cleaning Information Card no. 11. Please refer to RNTM 03-076/25.

INTERNATIONAL ANTIFOULING SYSTEM CERTIFICATES (IAFS)

78. To comply with Defence Safety Authority (DSA) 02-DMR-Defence Maritime Regulations for Health, Safety and Environmental Protection regulation 616 Antifouling System; all platforms must carry an extant International Antifouling System Certificate (IAFS) as evidence of compliance with the International Convention on the Control of Harmful Antifouling Systems on Ships, 2001.

79. Form S238 Surface Ship Docking, Slipping and Launch Report IAW RNTM 04-005/25 are to be completed when a platform is docked down. A copy of the completed form shall be forwarded to DES Ships-Eng-TES-Husbandry IAW BR 3939 Issue 5 and uploaded into MAST.

VOLATILE ORGANIC COMPOUND (VOC) COMPLIANT COATING SYSTEMS

80. European (EU) Legislation changed the way VOC emissions are recorded. Notwithstanding this, there remains a MOD requirement for low VOC materials. Based on the guidance table below, paint manufacturers and suppliers are reminded that any formulation changes to their existing products must be advised and reported to DES Ships-Eng-TES-Husbandry Failure to do so will automatically result in the withdrawal of MOD(N) acceptance.
81. MOD(N) requires that paint manufacturers and suppliers quote VOC levels IAW local environmental regulations.
82. The MOD(N) maximum VOC target levels are shown in the Table 5 and both paint manufacturers and applicators are encouraged to propose/apply coatings that are equal to or below these target levels IAW BR 3939 Issue 5.

Table 5. VOC Levels

Category No.	Category	VOC limit – gms/litre, Paint less Water (See Note 1)
(i)	Blast/Weldable Primer*	600
(ii)	Tie-coats/sealers	550
(iii)	General primer/undercoat	200
(iv)	External Finishes	420
(v)	Internal Finishes	200
(vi)	Antifouling**	400
(vii)	AFFF Tanks	390
(viii)	Demineralised Water Tanks	390
(ix)	AVCAT, Dieso & Hydraulic Oil Tanks	390
(x)	All other tank coating systems Inc. cofferdams, engine room bilges & chain lockers	300
(xi)	Marine Varnish	530

Note 1. VOC calculations carried out in accordance with Def Stan 05-133 Part 1, Test 6.13.

***Blast or holding primers are typically applied to a specified thickness of 25 - 40 micrometres and are not considered to be weldable. Shop primers, or weldable primers, are applied by automatic spray, typically to a dft of 15 - 25 micrometres. It is recommended that the primer is removed before welding unless the user can demonstrate that the presence of the material does not affect weld integrity. This is particularly important where high strength steels, such as QN1, QN2, HY80 etc, with susceptibility to hydrogen cracking, are used. In all cases, the end user must establish whether the condition of supply of the coated steel substrate is suitable for their specific welding process conditions.**

****The balance between VOC level and toxic content (should there be any) will be assessed. It may prove necessary to accept a higher VOC material if the lower toxic content outweighs the release of VOC.**

SUBMARINE SPECIFICATION

83. Acceptable paint specifications are outlined in ANNEX C together with a list of other acceptable materials.
84. Acceptable specialist coatings for submarines can be identified in ANNEX A.
85. SDA-IS-Struc3 is the Structures & Coatings POC for In-Service Submarines.
86. SDA-DNA-HullOutf2, is the Structures & Coatings POC for Future Submarines.
87. SDA-P-ENG-WB-Con3 Tel. No. 0300 157 1688, is the Structures & Coatings POC for Astute Class.
88. BR 1326 classifications can be found in the SMTD located here - <http://www.tes-ssg-smtd.r.mil.uk> SDA-TD-NATG-SM-ATM1 is the sponsor of the hazard assessment process in line with the requirements set for submarine atmosphere control – This process is documented in BR 1326 Chapter 6. SDA-TD-NATG-SM-ATM1 has the responsibility for assessing materials for internal submarine use. Enquiries regarding material assessments should therefore in the first instance be directed to SDA-TD-NATG-SM-ATM1 at MOD Abbeywood South, Bristol, BS34 8JH. Tel. 030 015 14851.

Table 6. BR1326 Issue 7 Hazard Categories

Code	Hazard Category
BLI	Build / Maintenance
U	Hazards Unknown
S	Superseded
BCI / E / CF / CI	Controlled Item
03 YR	3 Year Review Pending
W	Withdrawn
V	Prohibited

89. Detailed information on the BR 1326 hazard categories can be found in BR1326 chapter 6 annex B.
90. No painting is to be completed within the 10 days prior to closing the hatch and sailing to allow for products to dry and the atmosphere to be maintained as per BR 1326.
91. In-Service Submarines then must be contacted and provide a risk assessment to the whole boat, and Clearance for Use (CFU) of a product (This is for Vanguard, Trafalgar, and Astute classes). CFU is obtained through the nominated ISM Platform Safety Co-ordinator, SDA Tel (S4B). +44(0)300 168 5635.
92. Not all of the Astute class has been adopted by in service submarines so Clearance for Use can be sought from the Design Authority – BAE systems.

Mr Steven Richardson

Engineer Manager – Materials Assurance

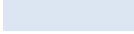
BAE Systems Submarines

Phone: 01229 872657

Email: steven.richardson4@baesystems.com

93. "WARSHIP SPECIFICATIONS" & "SUBMARINE SYSTEMS" Annexes do not cover Specialist areas. Specialist coatings & their location of use can be found in ANNEX A.

ANNEX TABLES

94. Paint Products in the annex tables highlighted  with a blue band do not fully meet MOD(N) criteria and are not to be used without prior confirmation from the relevant Platform Authority. Readers should always check their current approval status before use.
95. Paint products in annex tables highlighted with a grey band  have been categorised as B within the NAS Material Database. Those products Pending Assessment will also be highlighted grey.
96. Annex table explanations:
- These include Nominal Dry Film Thickness (NDFT) per coat in micrometres (µm). The figures quoted are meant for guidance only. The manufacturer's PDS should always be consulted.
 - VOC grams per litre highlighted  do not comply with MOD VOC emission target levels.
 - Items with 'TBC' appearing in the boxes, indicate that manufacturer/supplier information is awaited.
 - NSNs for each manufacturer's products, where available, are listed in ANNEX D.
In ANNEX C: SUBMARINE SYSTEMS
1. Annex C covers the paint coatings that have been approved for use in submarine areas. The following information is included for each product:
- The manufacturer,
 - The system,
 - The paint type,
 - The number of coats required,
 - The Nominal Dry Film Thickness (NDFT) per coat,
 - The Def Stan 07-247 category if applicable and,
 - The BR1326 SMTD category and reference.
2. Products highlighted in blue, represent products that do not fully meet the MoD requirements, in this instance DESShips-ENG-TES-husbandry should be contacted to ensure the product is suitable for the intended use.
3. Def Stan 07-247 references highlighted in grey represent products that are Pending Assessment (PA) and at current reaction to fire is unknown. Users should consider this when selecting products. Users should consider this when selecting products ensuring that any decision made is captured in the platform's safety case.

Area S1 – Pressure Hull & Superstructure Primer (Untiled Areas)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Hempel Paints Ltd	Hempadur 45880	2	175	N/A	EXT
International	Intergard 5000	1	175	N/A	EXT
Maker Coating Systems Ltd	Corroless EPF	2	200	N/A	EXT
Sherwin Williams Protective & Marine Coatings	Macropoxy M922M	2	200	N/A	EXT

Area S2a – Antifouling System(s) Foul Release / Defence (FRC/FD)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	Primer: Bannoh 1500	1	150	N/A	EXT
	Tie Coat: CMP Bioclean SG R	1	100	N/A	EXT
	Finish: CMP Bioclean R	1	100	N/A	EXT
Hempel Paints Ltd	Primer: Hempadur 15570	2	125	N/A	EXT
	Tie Coat: Hempel Nexus II 27400	1	100	N/A	EXT
	Finish: Hempaguard X7 89900	2	100	N/A	EXT
International	Primer: Intershield 300	2	125	N/A	EXT
	Tie Coat: Intersleek 737	1	100	N/A	EXT
	Finish: Intersleek 1100SR	1	150	N/A	EXT
PPG Protective & Marine Coatings	Primer: Sigmaprime 700	1	125	N/A	EXT
	Tie Coat: Sigmaglide 790	1	150	N/A	EXT
	Finish: Sigmaglide 1290	1	180	N/A	EXT

Area S2b – Antifouling Systems Self Polishing (SPC)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	Primer: Bannoh 1500	1	150	N/A	EXT
	Tie Coat: Bannoh 1500 RZ	1	100	N/A	EXT
	Sea Grandprix 660 HS	1	150	N/A	EXT

Area S2b – Antifouling Systems Self Polishing (SPC) Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Hempel Paints Ltd	Primer: Hempadur 15570	2	125	N/A	EXT
	Tie Coat: Hempadur 49183	1	TBC	N/A	EXT
	Finish: Hempel AF Globic 9000	2	100	N/A	EXT
International	Primer: Intergard 5000	1	175	N/A	EXT
	Tie Coat: Intergard 263	1	75	N/A	EXT
	Finish: Interspeed 6400	2	60	N/A	EXT
PPG Protective & Marine Coatings	Primer: Sigmaprime 700	1	150	N/A	EXT
	Tie Coat: Sigmacover 555	1	75	N/A	EXT
	Sigma Ecofleet 530	3	100	N/A	EXT

Area S3 – Pressure Hull & External Superstructure Finish (Untiled Areas)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Hempel Paints Ltd	Hempadur 49183	1	TBC	N/A	EXT
International	Intergard 5000	1	125	N/A	EXT
Maker Coating Systems Ltd	Corroless EPF	1	200	N/A	EXT

Area S4 – Periscopes & Masts

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Sherwin Williams Protective & Marine Coatings	Macropoxy L425	1	35	N/A	BLI (A0565g)

Area S5 – Superstructure Casing (General Steelwork)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Primer: Intergard 5000	1	175	N/A	See ANNEX D
	Finish: Intergard 5000	1	125		BLI, NF (A8103)
PPG Protective & Marine Coatings	Sigmacover 400	2	125	N/A	BLI (A6852)

Area S6 – Walkways on Casing

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Hempel Paints Ltd	Primer: Hempadur 45880 MIO 12430	1	100	PA	EXT
	Finish: Hempel Non-Skid 45340 Type 1	2	200		EXT
International	Primer: Intergard 5000	1	150	A1	EXT
	Finish: Intershield 851	2	300		

Area S7 – Internal Dry Spaces

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Primer: Intergard 5000	1	125	A1	See ANNEX D
	Finish: Intergard 1735	1	50		BCI (A4417)

Area S8 – Internal Wet Compartments (Complete Re-Preservation)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Primer: Intergard 5000	1	125	A1	See ANNEX D
	Finish: Intergard 1735	1	50		BCI (A4417)
Sherwin Williams Protective & Marine Coatings	Macropoxy C425V2	1	125	PA	See ANNEX D
	Macropoxy M630V2	1	75		BLI (A6830)

Area S9 – Group Exhaust Valves

Consult SDA-IS-Struc3 due to lack of paints

Area S10 – DSRV Seating

No painting should be attempted without consultation with SDA-IS-Struc3

Area S11 – Interior Pressure Hull (Emergency Cooling Tanks)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International (Trafalgar Class Jacket Tank)	Intergard 5000	2	125	N/A	BLI (A5713)
Maker Coating Systems Ltd (Trafalgar Class Hard Tank)	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				

Area S11 – Interior Pressure Hull (Emergency Cooling Tanks) Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Maker Coatings Systems Ltd (Trafalgar Class Jacket Tank)	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				
Maker Coating Systems Ltd(External Surfaces)	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				
Performance Polymer Group (Repair Only)	Thermaguard CUI 650	TBC	TBC	N/A	BLI, BLP, E (A8287)
PPG Protective & Marine Coatings (Trafalgar Class Hard Tanks)	Phenguard 965	3	100	N/A	BLI (A7390)
PPG Protective & Marine Coatings (Vanguard Class High Pressure Decay Heat Removal (HPDHR))	Phenguard 965	3	100	N/A	BLI (A7390)
PPG Protective & Marine Coatings (Astute Class)	Phenguard 965	3	100	N/A	BLI (A7390)

Area S12 – Reactor Compartment

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International (Penetration) (Silver Heat Resistant Aluminium)	Intertherm 50	1-2	25	A2	BLI (A3501)
International	Primer: Intergard 5000	1	125	A1	See ANNEX D
	Finish: Intergard 1735	1	50		BCI (A4417)

Area S13 – Interior Decks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Primer: Intergard 5000	1	125	TBC	See ANNEX D
	Finish: TBC				
PPG Protective and Marine Coatings	Sigmacover 400	2	125	PA	BLI (A6854)

Area S13 – Interior Decks Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Sherwin Williams Protective & Marine Coatings	Primer: Macropoxy C425V2	1	175	PA	See ANNEX D
	Finish: Macropoxy M630V2	1	75		BLI (A9116)

Area S14 – Battery Compartments

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Primer: Intergard 5000	1	125	TBC	See ANNEX D
	Finish: TBC				
Sherwin Williams Protective & Marine Coatings	Macropoxy C425V2	1	175	PA	See ANNEX D
	Macropoxy M630V2	1	75		BLI (A6833)

Area S15 – Machinery Space Bilges & Mounted Machinery Rafts

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Intergard 5000	1	175	A1	BLI (A5713)
International (Finish for Mounted Machinery Rafts)	Primer: Intergard 5000	1	125	TBC	See ANNEX D
	Finish: TBC				

Area S16 – Bulk Fuel & Oil, Lube Oil, Hydraulic & LP Air Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	Cleankeep 5000	1	300	N/A	BLI (A1687)
International	Interline 850	2	125	N/A	See Annex D
Maker Coating Systems Ltd	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				

Area S17 – Potable Water Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Interline 925	1	300	N/A	BLI (A2236)

Area S18 – Slop Drain Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Maker Coating Systems Ltd	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				

Area S19 – AFFF Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	Cleankeep 5000	1	300	N/A	BLI (A1687)
Maker Coating Systems Ltd	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				

Area S20 – Demineralised Water Tanks

Consult DES SM PG-NavArch3b for latest approved coatings

Area S21 – Holding Primer (Blasted Steel Work)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	NZ Primer S	1	25	N/A	BLI (A7303)
International	Intergard 269	1	30	N/A	BLI (A5954)
Jotun Paints (Europe) Limited	Muki EPS	1	20	N/A	BLI (A4527)
Sherwin Williams Protective & Marine Coatings	Macropoxy L574	1	25	N/A	BLI (A0565f)

Area S22 – Primers for Non-Ferrous Metals

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International (Aluminium, Stainless Steel, Zinc Spray & Galvanise)	Intergard 276	1	30	A1	BLI, BLP (A7304)
PPG Protective & Marine Coatings	Sigmacover 400	2	125	PA	See Annex D
Sherwin Williams Marine Coatings (Aluminium, Stainless Steel & Galvanise)	Macropoxy L425	1	35	PA	BLI (A0565g)
Sherwin Williams Protective & Marine Coatings (Zinc Spray)	Macropoxy L574	1	25	PA	BLI (A0565f)

Area S23 – High Erosion Area**Area S24 – Beneath Tiling**

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Maker Coating Systems Ltd	Corroless EPF	2	200	N/A	EXT
Wessex Resins	UW46 Primer			N/A	EXT
	UW 46 Adhesive				

Area S25 – System for Coating Natural Rubber Mounts

Applied by mount supplier not to be touched up once finished

Area S26 – Internal Nuts & Bolts and to Fill Gaps Between Canning Plates & Lead Shielding**Area S27 – Sea Water Tanks**

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	Umeguard HS	2	160	N/A	BLI (A1650)
	Bannoh 1500	2	160	N/A	BLI (A7302)
International	Intergard 5000	2	160	N/A	BLI (A5713)
Jotun Paints (Europe) Ltd	Balloxy HB	2	160	N/A	BLI (A1156)
Sherwin Williams Protective & Marine Coatings	Macropoxy L524	2	160	N/A	BLI (A6839)
Sherwin Williams Protective & Marine Coatings (Repair only)	Duraplate 301W	TBC	TBC	N/A	BLI, LP (A8731)

Area S28 – LILO/Payload Bay Chamber Internal

Consult SDA-IS-Struc3b for latest approved coatings

ANNEX C

- e. where a coating has the designation EXT in the BR 1326 'Air Purification in Submarines' column it means the coating has not been assessed and can only be used externally to the pressure hull.
 - f. Breathable atmosphere (Axxxx) reference numbers are taken from the SMTD discussed in paragraph 88.
97. All information in the Annex tables was correct on the 21/10/2025

ANNEX C**REFERENCES**

BR 1326 Air Purification in Submarines

BR 2203 Ship Husbandry Manual (Withdrawn)

BR 3939 Hull Preservation Processes Issue 5

ISO 12944 Paints and varnishes — Corrosion protection of steel structures by protective paint systems

Def Stan 05-133 Methods for Testing Paints, Chemicals and Associated Products Part 1 Paints

Def Stan 07-247 Selection of materials on the basis of their fire characteristics

Def Stan 80-208 Paint, finishing, polyurethane, multi-pack, IRR, chemical agent resistant, non-aircraft use, low VOC. Withdrawn December 2018

Def Stan 80-134 Issue 6 Paint System, Anti-Slip for Ships Decking, Multi-Pack Type 1: Rough Texture (Flight Decks, Hangar Decks and Weather Decks) Type 2: Smooth Texture and Deck Markings.

Def Stan 80-225 Paint system, low VOC, single or multi-pack.

DSA02 DMR Defence Maritime Regulations for Health, Safety and Environmental Protection

International Convention on the Control of Harmful Anti-Fouling Systems on Ships 2001

IMO Resolution MEPC.331(76) Amendments to the International Convention on the Control of Harmful Anti-Fouling Systems on Ships 2001

Maritime Paint Forum - Guidance information on design for preservation and corrosion control for steel hulled vessels

RNTM 04-005/25 Surface Ship Docking, Slipping and Launch Report

RNTM 03-063/25 Introduction of the Revised Paint Information Card

RNTM 03-076/25 Introduction of the Revised Cleaning Information Card

ANNEX A: SPECIALIST COATINGS AND PAINT REMOVERS

1. Annex A covers the paint coatings that have been approved for use in specialist areas. The following information is included for each product:
 - a. The specialist system or material,
 - b. The generic paint type,
 - c. The VOC of the product,
 - d. The Def Stan 07-247 category if applicable and
 - e. The NATO Stock Number.
2. Products highlighted in blue, represent products that do not fully meet the MoD requirements, in this instance DES Ships-Eng-TES-Husbandry should be contacted to ensure the product is suitable for the intended use.
3. Def Stan 07-247 references highlighted in grey represent products that are Pending Assessment (PA) and at current reaction to fire is unknown. Users should consider this when selecting the products.
4. For use on Submarines the user will need to ensure that the product has an in date SMTD reference which can be found in ANNEX D or by searching on the SMTD database¹.

¹ [Home Page - SMTD \(mil.uk\)](https://www.mil.uk) – SMTD Database

Area A1 – Antifouling for “ARCHER” Class & Yachts

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Aquarius Marine Coatings Ltd</u> Copper Coat	Antifouling	0	N/A	See ANNEX D

Area A2 – Rudder, Stabilisers & “A” Frames (Repair)

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Belzona</u> BELZONA 1311 Ceramic R-Metal (Fill and fair)	Epoxy	0	N/A	99-598-6837

Area A3 – Rudder, Stabilisers & “A” Frames (Cavitation Protection)

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Belzona</u> BELZONA 1341 Supermetalgilde (Cavitation protection) (2 coats. 3 coats if blasting prior to application of anti-foul)	Epoxy	5	N/A	99-322-3979
<u>Hempel Paints Ltd</u> Hempadur Multi-strength GF 35870	Epoxy	200	N/A	See ANNEX D
<u>Jotun Paints (Europe) Ltd</u> Marathon IQ 2	Epoxy	42	N/A	TBC
<u>PPG Protective & Marine Coatings</u> Sigmashield 1200	Epoxy	143	N/A	8010-99-840-4140
<u>Subsea Industries</u> Ecoshield	Glass Flake Reinforced Vinyl Ester	240	N/A	TBC

Area A4 – Hull (Underwater-Applied Coatings) General Repair

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Alcolit</u> ALOCIT 28.15	Epoxy	0	N/A	99-248-4702
<u>Belzona</u> BELZONA 5831	Epoxy	0	N/A	8010-99-980-0440
<u>Cactus Industrial</u> KANSAI SURESEAL 1208UWE	Epoxy Mastic	25	N/A	8010-99-847-3498
<u>International</u> INTERZONE 101 Trowel Grade – WARNING: Contains Silica	Epoxy	0	N/A	99-915-9726
<u>Maker Coating Systems Ltd</u> BIOFIX 561 LT Black – Kevlar reinforced	Epoxy	0	N/A	99-133-9985

Area A5 – Not used.**Area A6 – HPSW Internal Coating for Intake Pipework**

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Belzona BELZONA 1341	Epoxy	5	N/A	99-322-3979
Maker Coating Systems Ltd Corroless RF35	Glass Flake Epoxy	93	N/A	8010-99-337-0778

Area A7 – Peelable Corrosion-Inhibiting Encapsulating Membrane

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
A&E Group Enviropeel E170 (External/Weather deck applications only. Not for internal use.)	Thermoplastic	0	PA	8030-99-598-8967
SPI Performance Coatings Ltd Staingard PF (Temporary coating for DSRV seat during maintenance periods only. Not a permanent fit to the submarine)		0	PA	TBC

Area A8 – Seawater Ballast Tanks Spot Repair

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Sherwin Williams Protective & Marine Coatings DuraPlate 301W	Epoxy	100 g/l	N/A	See ANNEX D

Area A9 – Flight Deck / Deck Markings

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Chugoku Paints (UK) Ltd. Camideck Finish Type 1	Epoxy	374	U	See ANNEX D
Hempel Paints Ltd Hempel Non-Skid 45340	Epoxy	347	U	See ANNEX D
Hempadur 45143	Epoxy	368	U	See ANNEX D
International INTERGARD 740	Epoxy	420	U	See ANNEX D
Jotun Paints (Europe) Limited Hardtop CA	Acrylic	340	PA	See ANNEX D
Hardtop Optima	Poly-Siloxane	215	PA	See ANNEX D

Area A9 – Flight Deck / Deck Markings Continued

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
PPG Protective & Marine Coatings Sigmacover 400	Epoxy	106	PA	See ANNEX D
Sigmadur 540	Epoxy Acrylic	411	PA	See ANNEX D
Sherwin-Williams Protective & Marine Coatings Epidek M377	Epoxy	330	PA	See ANNEX D
Macropoxy M262	Epoxy	354	PA	8010-99-133-8713

Area A10 – LCU & LVCP – CARC & IRR A/W Hull Finish

Def Stan 80-208 has been replaced by Def Stan 80-225. Coatings to Def Stan 80-225 to be identified

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Trimite Trimite D00294			N/A	See ANNEX D

Area A11 – Navigation Light Enclosures

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Sherwin-Williams Protective & Marine Coatings Kem-Kromik 155	Alkyd Anti-Corrosive	410	N/A	See ANNEX D

Area A12 – Instruments & Electronic Equipment Panels

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Indestructible Paints IP3-6700 epoxy primer	Epoxy	350	A1	See ANNEX D
IP3-6971 epoxy finish	Epoxy	420		See ANNEX D
Trimite Sp59 Primer	Stoved Epoxy	-	PA	8010-99-378-5631
S59 Topcoat	Stoved Epoxy	-	B	8010-99-564-4008

Area A13 – Galvanised Steel & Zinc Metal Sprayer (Repair)

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Hempel Paints Ltd Hempel Zinc Primer 16490	Zinc Phenoxxy	567	PA	8010-22-615-7231
International INTERZINC 22	Zinc Silicate	470	PA	99-927-5431
INTERZINC 72	Zinc Epoxy	410	PA	See ANNEX D

Area A13 – Galvanised Steel & Zinc Metal Sprayer (Repair) Continued

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Maker Coating Systems Ltd</u> Zinga	Polystyrene	539	PA	99-884-0220
<u>PPG Protective & Marine Coatings</u> Sigmazinc 19	Zinc Epoxy	584	PA	99-152-6131

Area A14 – Woodwork (High Gloss, Clear, Protective Finish)

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Chugoku Paints (UK) Ltd</u> Spar Varnish	Varnish	433	PA	8010-99-157-1808
<u>Hempel Paints Ltd</u> Hempel Marine Varnish 02220	Alkyd	433	U	99-224-5783
<u>International</u> Interlac 678	Alkyd	373	PA	99-328-9646
<u>Jotun Paints (Europe) Limited</u> Spontan Varnish	Urethane Alkyd	470	PA	99-161-6220
<u>PPG Protective & Marine Coatings</u> Sigmarine 42	Phenolic	393	PA	See ANNEX D

Area A15 – Corrosion Inhibitor Grease

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Maker Coatings Systems Ltd</u> CORROLESS CCI 355	HD Grease	N/A	N/A	9150-99-676-5736

Area A16 – Conductive Glands (QEC Requirement)

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Parker Chomerics</u> Cho-shield 610	Copper Epoxy EMI	591	N/A	5999-01-703-3871

Area A17 – Heat Resistant Coatings (Below 175°C)

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>International (up to 250 °C)</u> INTERTHERM 891	Oleoresinous Aluminium	425	PA	See ANNEX D
<u>PPG Protective & Marine Coatings</u> SIGMATHERM 500	Modified Alkyd	600	PA	See ANNEX D

Area A18 – Heat Resistant Coatings (Above 250°C)

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Hempel Paints Ltd Galvosil 15700	Zinc Silicate	474	PA	8010-99-593-8923
International Intertherm 50	High Temp Silicone	495	A2	8010-99-969-0549
PPG Protective & Marine Coatings Sigmatherm 500	Modified Alkyd	600	PA	See ANNEX D

Area 19 – Heat Resistant Coatings (Above 400°C)

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
International Intertherm 50	High Temp Silicone	495	A2	8010-99-969-0549
PPG Protective & Marine Coatings Sigmatherm 500	Modified Alkyd	600	PA	See ANNEX D

Area A20 – Not Used.**Area A21 – Paint Remover**

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Indestructible Paints IPSTRIP 500	Biodegradable	N/A	N/A	See ANNEX D
N A Robson BACK TO NATURE VIII (not to be used on steel substrate)	Biodegradable	N/A	N/A	99-361-6273

Area A22 – Rust Stain Remover

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
International INTERPLUS 4101 (Yellow)	Biodegradable	N/A	N/A	8030-99-846-2819
INTERPLUS 4103 (Yellow) Corrosion source / issue must be rectified before use. 6 - 16hrs dwell time. Cover with Polythene to keep wet. Excessive orders require suitable justification.	Biodegradable	N/A	N/A	8030-99-369-2168

Area S23 – SMTD Unique Immersed Areas – Pumps Etc

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Corrocoat Limited CORROCOAT ZIP E	Glass Flake Epoxy		N/A	See ANNEX D
POLYGLASS VE	Vinyl Ester Glass Flake		N/A	See ANNEX D
POLYGLASS VE HAND APPLIED	Vinyl Ester Glass Flake		N/A	See ANNEX D
POLYGLASS VEF	Vinyl Ester Glass Flake		N/A	See ANNEX D
POLYGLASS ZIPCOAT	Polyester Glass Flake		N/A	See ANNEX D

Area A24 – Mordant Reagent

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Sherwin-Williams Protective & Marine Coatings MORDANT WASH L703 (Pre-treatment for non-ferrous metals)	Blue Mordant Solution	307	N/A	6810-99-861-9824

Area A25 – Cleaning Detergent

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
Arrow Chemicals Ensign	Detergent Concentrate	0	N/A	TBC

Area A26 – Damp Surface Primer

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
PPG Protective & Marine Coatings Sigmacover 280	Anticorrosive	432	A1	8010-99-569-7697
Sherwin-Williams Protective & Marine Coatings Macropoxy M111	Epoxy Zinc Phosphate	383	PA	8010-99-884-5957

Area A27 – Hangar Doors Finish

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
HMG T-Phos 53 Pre-treatment	Primer	TBC	PA	TBC
Architectural Polyester 827 Series	Topcoat	TBC		TBC

Area A28 – Rust Inhibitor

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>DURIEU S.A</u> DURIEU RUSTOL OWATROL OIL	Alkyd resins	750	N/A	8030-14-605-5515

Area A29 – External Deck Brown Positions for MCM

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Belzona</u> Belzona 4131 Magma Screed	Screed	N/A	N/A	8030-99-753-8764
Belzona 4911 Magma TX Conditioner	Resin	N/A	N/A	8030-99-811-6037
Belzona 5811 Immersion Grade	N/A	32	N/A	See ANNEX D
Belzona 9221 Surefoot Grit	Grit	N/A	N/A	5350-99-436-3070

Area A30 – Powder Coating Internal

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>International</u> Interpon Redux Plus AL258F	Primer	TBC	A2	TBC
Interpon D1036 Satin (70)	Top Coat	TBC		TBC
<u>PPG Protective & Marine Coatings</u> T-Phos 53 Pre-treatment	Primer	TBC	A2	TBC
Envirocron PCS P4 Series	Top Coat	TBC		TBC
<u>Trimate</u> T-Phos 53 Pre-treatment	Primer	TBC	A2	TBC
P9201	Top Coat	TBC		TBC

Area A31 – Powder Coating External

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>HMG</u> T-Phos 53 Pre-treatment	Primer	TBC	N/A	TBC
Architectural Polyester 827 Series	Top Coat	TBC		TBC

Area A32 – Aircraft Carrier Metal Sprayed Landing Spot Sealant

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Indestructible Paints</u> CDCR2 Deck Coating	N/A	480	N/A	See ANNEX D

Area A33 – Dazzle Paint Scheme for OPV Batch 1

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>Hempel Paints Ltd</u> Hempel Pro Acrylic 55883	TBC	362	N/A	See ANNEX D

Area A34 – Dazzle Paint Scheme for OPV Batch 2

Specialist Systems/Materials	Generic Type	VOC g/l	DefStan 07-247	NATO Stock Number
<u>International</u> Interfine 629 HS	Acrylic	339	N/A	See ANNEX D

ANNEX B: WARSHIP SPECIFICATION

1. Annex B covers the paint coatings that have been approved for use in warship areas. The following information is included for each product:
 - a. The manufacturer,
 - b. The system,
 - c. The number of coats required,
 - d. The Nominal Dry Film Thickness (NDFT) per coat,
 - e. The Def Stan 07-247 category if applicable.
2. Products highlighted in blue, represent products that do not fully meet the MOD requirements, in this instance DESShips-ENG-TES-husbandry should be contacted to ensure the product is suitable for the intended use.
3. Def Stan 07-247 references highlighted in grey represent products that are Pending Assessment (PA) and at current reaction to fire is unknown. Users should consider this when selecting products ensuring that any decision made is captured in the platform's safety case.
4. It is to be noted that Area K 'FLIGHT AND WEATHERDECK SYSTEMS – Def Stan 80-134' aligns with Def Stan 80-134 issue 5. Significant changes have been made to Def Stan 80-134 and can be found in issue 6 of the document. WARPAINT has been updated to reflect the changes and users are encouraged to refer to Def Stan 80-134 to ensure that the coating they are selecting is appropriate for the required use.

Notes:

5. The number of coats stated in the above table, relate to airless spray application to achieve the stated NDFT. Should brush application be required for touch up and repair then additional coats may be necessary to achieve the required NDFT.
6. # = No recoat interval, see Manufacturer's TDS/Application Instructions for requirements.
7. It is important to ensure that surfaces are clean and free of contamination when overcoating materials, that have been left exposed, this is especially true for those products with an indefinite recoat interval.

Area A&B and C – Below Water Hull Primer and Self Polishing (SPC) Antifouling Finish

Manufacturer	System	No. Of coats	NDFT Per coat (µm)	DefStan 07-247
Chugoku Paints (UK) Ltd	Primer: Bannoh 1500	1	150	N/A
	Tie Coat: Bannoh 1500 RZ	1	100	
	Finish: Sea Grandprix 1000L	2	150	
Hempel Paints Ltd	Primer: Hempadur Quattro 17634	2	125	N/A
	Tie Coat: Hempadur 49183	1	100	
	Finish: Hempel AF Globic 9000	2	100	
Hempel Paints Ltd (Diving Lines)	Primer: Hempadur Quattro 17634	2	125	N/A
	Tie Coat: Hempadur 49183	1	TBC	
	Finish: Hempasil 77300	1	150	
International	Primer: Intergard 5000	1	175	N/A
	Tie Coat: Intergard 263	1	75	
	Finish: Intersmooth 7460	2	125	
Jotun Paints (Europe) Ltd	Primer: Jotacote Universal N10	TBC	175	N/A
	Tie Coat: Safeguard Universal ES	1	75	
	Finish: Seaquantum Ultra S	2	125	
PPG Protective & Marine Coatings	Primer: Sigmaprime 700	1	150	N/A
	Tie Coat: Sigmacover 555	1	75	
	Finish: Sigma Ecofleet 530	1	110	

Area A&B and D – Below Water Hull Primer and Foul Release Antifouling Finish

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Chugoku Paints (UK) Ltd (Can be used for Propeller & Rudder)	Primer: Bannoh 1500	1	150	N/A
	Tie Coat: CMP Bioclean SG R	1	100	
	Finish: CMP Bioclean R	1	200	
Chugoku Paints (UK) Ltd (Biocide Free)	Primer: Bannoh 1500	1	150	N/A
	Tie Coat: CMP Bioclean SG R	1	100	
	Finish: CMP Bioclean HB	1	200	
Chugoku Paints (UK) Ltd (Biocidal)	Primer: Bannoh 1500	1	150	N/A
	Tie Coat: CMP Bioclean SG R	1	100	
	CMP Bioclean R	1	100	
	CMP Bioclean Plus	1	200	
Hempel Paints Ltd	Primer: Hempadur Quattro 17634	2	125	N/A
	Tie Coat: Hempel Nexus II 27400	1	100	
	Hempasil X3+ 87500	1	150	
Hempel Paints Ltd (Repair)	Primer: Hempadur Quattro 17634	2	125	N/A
	Tie Coat (Repair only): Hempasil Nexus X-Tend 27500	1	120	
	Hempasil X3+ 87500	1	150	
Hempel Paints Ltd (Cold Water)	Primer: Hempadur Quattro 17634	2	125	N/A
	Tie Coat: Hempel Nexus II 27400	1	100	
	Finish: Hempaguard X7 89900 (Cold Water)	1	150	

Area A&B and D – Below Water Hull Primer and Foul Release Antifouling Finish Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Hempel Paints Ltd (Warm Water)	Primer: Hempadur Quattro 17634	2	125	N/A
	Tie Coat: Hempel Nexus II 27400	1	100	
	Finish: Hempaguard X7 89900 (Warm Water)	2	100	
Hempel Paints Ltd (Cold Water Repair only)	Primer: Hempadur Quattro 17634	2	125	N/A
	Tie Coat (Repair only): Hempasil Nexus X-Tend 27500	1	120	
	Finish: Hempaguard X7 89900 (Cold Water)	1	150	
Hempel Paints Ltd (Warm Water Repair only)	Primer: Hempadur Quattro 17634	2	125	N/A
	Tie Coat (Repair only): Hempasil Nexus X-Tend 27500	1	120	
	Finish: Hempaguard X7 89900 (Warm Water)	2	100	
Hempel Paints Ltd (Divers Lines)	Primer: Hempadur Quattro 17634	2	125	N/A
	Tie Coat: Hempel Nexus II 27400	1	100	
	Finish: Hempasil 77300	1	150	
Hempel Paints Ltd (Divers Lines Repair only)	Primer: Hempadur Quattro 17634	2	125	N/A
	Tie Coat (Repair only): Hempasil Nexus X-Tend 27500	1	120	
	Finish: Hempasil 77300	1	150	
International	Primer: Intergard 5000	2	125	N/A
	Tie Coat: Intersleek 737	1	100	
	Finish: Intersleek 1100SR	1	150	
Jotun Paints (Europe) Ltd	Primer: Jotacote Universal N10	1	175	N/A
	Tie Coat: Safeguard Universal ES	1	75	
	Finish: Seaquest	1	170	
PPG Protective & Marine Coatings	Primer: Sigmaprime 700	2	150	N/A
	Tie Coat: Sigmaglide 790	1	150	
	Finish: Sigmaglide 1290	1	180	

Area A&B and F – Below Water Hull Primer and Self Polishing (SPC) Boottop Antifouling Finish

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Chugoku Paints (UK) Ltd	Primer: Bannoh 1500	1	150	N/A
	Tie Coat: Bannoh 1500 RZ	1	100	
	Finish: Sea Grandprix 660 HS	1	150	
Hempel Paints Ltd	Primer: Hempadur Quattro 17634	1	125	N/A
	Tie Coat: Hempadur 49183	1	100	
	Finish: Hempel AF Globic 9000 78952	2	100	
Hempel Paints Ltd (Divers Lines)	Primer: Hempadur Quattro 17634	1	125	N/A
	Tie Coat: Hempadur 49183	1	TBC	
	Finish: Hempasil 77300	1	150	

Area A&B and F – Below Water Hull Primer and Self Polishing (SPC) Boottop Antifouling Finish Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
International	Primer: Intergard 5000	1	175	N/A
	Tie Coat: Intergard 263	1	75	
	Finish: Interspeed 6400	2	60	
Jotun Paints (Europe) Ltd	Primer: Jotacote Universal N10	TBC	175	N/A
	Tie Coat: Safeguard Universal ES	1	75	
	Finish: Seaquantum Classic S	1 or 2	150	
PPG Protective & Marine Coating	Primer: Sigmaprime 700	1	150	N/A
	Tie Coat: Sigmacover 555	1	75	
	Finish: Sigma Ecofleet 530	1	110	

Area G&H and J – Above Water Hull and Superstructure System

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Hempel Paints Ltd	Primer: Hempadur Quattro 17634	2	150	PA
	Finish: Pro acrylic 55883	1	50	
International	Primer: Intergard 5000	2	150	A1
	Finish: Interfine 878	1	50	
Jotun Paints (Europe) Ltd	Primer: Jotamastic 80	2	200	U
	Finish: Hardtop CA	1	75	
PPG Protective & Marine Coating	Primer: Sigmacover 400	2	125	PA
	Finish: PSX 700	1	75	
Sherwin Williams Protective & Marine Coatings	Primer: Macropoxy C425V2	2	100	PA
	Tie Coat: Sherwin M671	1	35	
	Finish: Kem-Kromik A165	1	35	
Sherwin Williams Protective & Marine Coatings	Primer: Macropoxy C425V2	2	100	A1
	Finish: Acrolon 1850	1	75	

Area K – Flight and Weatherdeck Systems

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Chugoku Paints (UK) Ltd (Flight and Weather deck)	Primer: Umeguard HS	1	125	PA
	Finish: Camideck Finish type 2	2	208	
	Hangar Deck Repair: Camideck Repair Kit Type 2			
Chugoku (Deck Margins)	Primer: Umegard HS	1	150	
	Finish: Epicon Marine Finish	1	50	
Hempel (Flight and Weather Deck)	Primer: Hempadur 45580 MIO 12430	1	100	PA
	Finish: Hempel Non-Skid 45710	2	400	
Hempel (Deck Margins)	Hempadur 45143	3	125	PA
International (Aluminium Decks)	Primer: Intershield 300	1	150	PA
	Finish: Intershield 851	2	300	

Area K – Flight and Weatherdeck Systems Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
International (Flight and Weather deck)	Primer: Intergard 5000	1	150	A1
	Finish: Intershield 851	2	300	
International (Deck Margins)	Primer: Intergard 5000	1	150	PA
	Finish: Intergard 740	1	50	
Sherwin Williams Protective & Marine Coatings (Flight and Weather deck)	Primer: Macropoxy C425V2	1	125	PA
	Finish: Epidek M339	2	200	
	Repair: Epidek M339		282	
Sherwin Williams (Deck Margins)	Primer: Macropoxy C425V2	1	125	A1
	Finish: Acrolon 1850	1	60	

Area L&M – Interior Dry Compartments

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Acotec	Humidur FP	1	400	A1
International	Primer: Intergard 5000	1	125	A1
	Finish: Intergard 1735	1	50	
Sherwin Williams Protective & Marine Coatings	Primer: Macropoxy C425V2	1	125	PA
	Finish: Sher-Cryl M770	1	25	

Area N&O – Interior Wet Compartments

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Acotec	Humidur FP	1	400	A1
International	Primer: Intergard 5000	1	125	A1
	Finish: Intergard 1735	1	50	
PPG Protective & Marine Coating (Cleansing Station)	Primer: Sigmacover 400	1	100	PA
	Finish: PSX 700	1	125	
Sherwin Williams Protective & Marine Coatings	Primer: Macropoxy C425V2	1	125	PA
	Finish: Macropoxy M630V2	1	75	
Sherwin Williams Protective & Marine Coatings (Magazine Finish)	Primer: Macropoxy C425V2	1	125	PA
	Finish: Macropoxy M630V2	1	75	

Area P – Interior Decks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Acotec	Humidur FP	1	400	A1
Hempel Paints Ltd (Cleansing Station)	Primer: Hempadur 45880 MIO 12430	1	100	PA
	Finish: Hempadur 45143	1	100	

Area P – Interior Decks Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
International	Primer: Intergard 5000	1	125	A1
	Finish: Intergard 1735	1	50	
International (Cleansing Station)	Primer: Intergard 5000	1	125	A1
	Finish: Interfine 979	1	125	
PPG Protective & Marine Coating	Primer: Sigmacover 400	1	100	PA
	Finish: Sigmacover 400	1	100	
Sherwin Williams Protective & Marine Coatings	Primer: Macropoxy C425V2	1	125	PA
	Finish: Macropoxy M630V2	1	75	

Area Q – Battery Compartments

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
International	Primer: Intergard 5000	1	150	A1
	Finish: Intergard 1735	1	50	
Sherwin Williams Protective & Marine Coatings	Primer: Macropoxy C425V2	1	100	PA
	Finish: Macropoxy M630V2	1	75	

Area R – Cable Lockers and Cofferdams

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Acotec	Humidur FP	1	400	A1
Chugoku Paints (UK) Ltd	Bannoh 1500	1	125	PA
International	Intergard 5000	1	150	A1
Jotun Paints (Europe) Ltd	Jotacote Universal N10	2	150	A1
Sherwin Williams Protective & Marine Coatings	Macropoxy L524	2	125	PA

Area S – Black/Grey & Water Ballast Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Chugoku Paints (UK) Ltd	Bannoh 1500	2	160	N/A
	Spot Repair: CMP NOVA 5000 Barrier	1	300	
Hempel Paints Ltd	Water Ballast: Hempadur Quattro 17634	2	160	N/A
	Black & Grey Water: Hempadur 85671	2	100	
International	Water Ballast: Intergard 5000	2	160	N/A
	Black & Grey Water: Interline 850	2	125	
	Galley Grey Water: Interline 994	3	100	

Area S – Black/Grey & Water Ballast Tanks Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Jotun Paints (Europe) Ltd	Water Ballast: Balloxy HB	1	160	N/A
	Black & Grey Water: Tankguard Storage	1	150	
	Black & Grey Water: Tankguard DW	1	150	
Maker Coating Systems Ltd	Corroless EPF	1	200	N/A
	Corroless RF35	1	200	
PPG Protective & Marine Coatings	Black & Grey Water: Sigmashield 880	1	350	N/A
Sherwin Williams Protective & Marine Coatings	Water Ballast Tanks: Macropoxy L524	2	160	N/A

Area T – Machinery Space Bilges

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Chugoku Paints (UK) Ltd	Bannoh 1500	2	125	PA
International	Intergard 5000	1	175	A1
Sherwin Williams Protective & Marine Coatings	Macropoxy L524	2	125	PA
	Hygiene Coat: Macropoxy M630V2	1	75	

Area U – AVCAT, Dieso, Lub & Hydraulic Oil Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Chugoku Paints (UK) Ltd	Epicon T-800	2	125	N/A
Hempel Paints Ltd	Hempadur 85671	3	100	N/A
International	Interline 850	2	125	N/A
Jotun Paints (Europe) Ltd	Tankguard Storage	1	125	N/A
Maker Coating Systems Ltd	Corroless EPF	1	200	N/A
	Corroless RF35	1	200	N/A
PPG Protective & Marine Coatings	Sigmaguard CSF 650	1	350	N/A
Sherwin Williams Protective & Marine Coatings	Macropoxy M922	2	200	N/A

Area V – Potable Water Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Hempel Paints Ltd	Hempadur 35560	2	200	N/A
International	Interline 925	1	300	N/A
PPG Protective & Marine Coatings	Sigmaguard CSF 585	1	300	N/A

Area W – Aqueous Film Forming Foam (AFFF) Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Chugoku Paints (UK) Ltd	Epicon T-800	2	125	N/A
Hempel Paints Ltd	Hempadur 85671	3	100	N/A
International	Interline 704	2	125	N/A
Jotun Paints (Europe) Ltd	Tankguard DW	1	150	N/A
Maker Coating Systems Ltd	Corroless EPF	1	200	N/A
	Corroless RF35	1	200	
PPG Protective & Marine Coatings	Sigmaguard CSF 650	1	350	N/A

Area X – Demineralised Water Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Hempel Paints Ltd	Hempadur 85671	3	100	N/A
International	Interline 925	1	300	N/A
PPG Protective & Marine Coatings	Sigmaguard CSF 650	1	350	N/A

Area Y – Epoxy Holding Primer

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Hempel Paints Ltd	Hempadur 15570	1	50	A2
International	Intergard 276	1	30	A1
PPG Protective & Marine Coatings	Sigmacover 280	1	50	A1

Area Z – Primers for Non-Ferrous Metals & FRP

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247
Chugoku Paints (UK) Ltd	Stainless Steel: Bannoh 1500	1	125	PA
Hempel Paints Ltd	Standard: Hempadur 15553	1	50	A2
International	Aluminium, Stainless Steel, Zinc Spray, Galvanise: Intergard 276	1	30	A1
PPG Protective & Marine Coatings	Aluminium, Stainless Steel, Zinc Spray, Galvanise: Sigmacover 280	1	50	A1
	FRP Indicator Coat: Sigmacover 400	2	125	PA
Sherwin Williams Protective & Marine Coatings	Aluminium, Galvanise, Stainless Steel: Macropoxy L425	1	35	PA

ANNEX C: SUBMARINE SYSTEMS

4. Annex C covers the paint coatings that have been approved for use in submarine areas. The following information is included for each product:
 - a. The manufacturer,
 - b. The system,
 - c. The paint type,
 - d. The number of coats required,
 - e. The Nominal Dry Film Thickness (NDFT) per coat,
 - f. The Def Stan 07-247 category if applicable and,
 - g. The BR1326 SMTD category and reference.
5. Products highlighted in blue, represent products that do not fully meet the MoD requirements, in this instance DESShips-ENG-TES-husbandry should be contacted to ensure the product is suitable for the intended use.
6. Def Stan 07-247 references highlighted in grey represent products that are Pending Assessment (PA) and at current reaction to fire is unknown. Users should consider this when selecting products. Users should consider this when selecting products ensuring that any decision made is captured in the platform's safety case.

Area S1 – Pressure Hull & Superstructure Primer (Untiled Areas)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Hempel Paints Ltd	Hempadur 45880	2	175	N/A	EXT
International	Intergard 5000	1	175	N/A	EXT
Maker Coating Systems Ltd	Corroless EPF	2	200	N/A	EXT
Sherwin Williams Protective & Marine Coatings	Macropoxy M922M	2	200	N/A	EXT

Area S2a – Antifouling System(s) Foul Release / Defence (FRC/FD)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	Primer: Bannoh 1500	1	150	N/A	EXT
	Tie Coat: CMP Bioclean SG R	1	100	N/A	EXT
	Finish: CMP Bioclean R	1	100	N/A	EXT
Hempel Paints Ltd	Primer: Hempadur 15570	2	125	N/A	EXT
	Tie Coat: Hempel Nexus II 27400	1	100	N/A	EXT
	Finish: Hempaguard X7 89900	2	100	N/A	EXT
International	Primer: Intershield 300	2	125	N/A	EXT
	Tie Coat: Intersleek 737	1	100	N/A	EXT
	Finish: Intersleek 1100SR	1	150	N/A	EXT
PPG Protective & Marine Coatings	Primer: Sigmaprime 700	1	125	N/A	EXT
	Tie Coat: Sigmaglide 790	1	150	N/A	EXT
	Finish: Sigmaglide 1290	1	180	N/A	EXT

Area S2b – Antifouling Systems Self Polishing (SPC)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	Primer: Bannoh 1500	1	150	N/A	EXT
	Tie Coat: Bannoh 1500 RZ	1	100	N/A	EXT
	Sea Grandprix 660 HS	1	150	N/A	EXT

Area S2b – Antifouling Systems Self Polishing (SPC) Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Hempel Paints Ltd	Primer: Hempadur 15570	2	125	N/A	EXT
	Tie Coat: Hempadur 49183	1	TBC	N/A	EXT
	Finish: Hempel AF Globic 9000	2	100	N/A	EXT
International	Primer: Intergard 5000	1	175	N/A	EXT
	Tie Coat: Intergard 263	1	75	N/A	EXT
	Finish: Interspeed 6400	2	60	N/A	EXT
PPG Protective & Marine Coatings	Primer: Sigmaprime 700	1	150	N/A	EXT
	Tie Coat: Sigmacover 555	1	75	N/A	EXT
	Sigma Ecofleet 530	3	100	N/A	EXT

Area S3 – Pressure Hull & External Superstructure Finish (Untiled Areas)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Hempel Paints Ltd	Hempadur 49183	1	TBC	N/A	EXT
International	Intergard 5000	1	125	N/A	EXT
Maker Coating Systems Ltd	Corroless EPF	1	200	N/A	EXT

Area S4 – Periscopes & Masts

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Sherwin Williams Protective & Marine Coatings	Macropoxy L425	1	35	N/A	BLI (A0565g)

Area S5 – Superstructure Casing (General Steelwork)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Primer: Intergard 5000	1	175	N/A	See ANNEX D
	Finish: Intergard 5000	1	125		BLI, NF (A8103)
PPG Protective & Marine Coatings	Sigmacover 400	2	125	N/A	BLI (A6852)

Area S6 – Walkways on Casing

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Hempel Paints Ltd	Primer: Hempadur 45880 MIO 12430	1	100	PA	EXT
	Finish: Hempel Non-Skid 45340 Type 1	2	200		EXT
International	Primer: Intergard 5000	1	150	A1	EXT
	Finish: Intershield 851	2	300		

Area S7 – Internal Dry Spaces

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Primer: Intergard 5000	1	125	A1	See ANNEX D
	Finish: Intergard 1735	1	50		BCI (A4417)

Area S8 – Internal Wet Compartments (Complete Re-Preservation)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Primer: Intergard 5000	1	125	A1	See ANNEX D
	Finish: Intergard 1735	1	50		BCI (A4417)
Sherwin Williams Protective & Marine Coatings	Macropoxy C425V2	1	125	PA	See ANNEX D
	Macropoxy M630V2	1	75		BLI (A6830)

Area S9 – Group Exhaust Valves

Consult SDA-IS-Struc3 due to lack of paints

Area S10 – DSRV Seating

No painting should be attempted without consultation with SDA-IS-Struc3

Area S11 – Interior Pressure Hull (Emergency Cooling Tanks)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International (Trafalgar Class Jacket Tank)	Intergard 5000	2	125	N/A	BLI (A5713)
Maker Coating Systems Ltd (Trafalgar Class Hard Tank)	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				

Area S11 – Interior Pressure Hull (Emergency Cooling Tanks) Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Maker Coatings Systems Ltd (Trafalgar Class Jacket Tank)	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				
Maker Coating Systems Ltd(External Surfaces)	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				
Performance Polymer Group (Repair Only)	Thermaguard CUI 650	TBC	TBC	N/A	BLI, BLP, E (A8287)
PPG Protective & Marine Coatings (Trafalgar Class Hard Tanks)	Phenguard 965	3	100	N/A	BLI (A7390)
PPG Protective & Marine Coatings (Vanguard Class High Pressure Decay Heat Removal (HPDHR))	Phenguard 965	3	100	N/A	BLI (A7390)
PPG Protective & Marine Coatings (Astute Class)	Phenguard 965	3	100	N/A	BLI (A7390)

Area S12 – Reactor Compartment

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International (Penetration) (Silver Heat Resistant Aluminium)	Intertherm 50	1-2	25	A2	BLI (A3501)
International	Primer: Intergard 5000	1	125	A1	See ANNEX D
	Finish: Intergard 1735	1	50		BCI (A4417)

Area S13 – Interior Decks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Primer: Intergard 5000	1	125	TBC	See ANNEX D
	Finish: TBC				
PPG Protective and Marine Coatings	Sigmacover 400	2	125	PA	BLI (A6854)

Area S13 – Interior Decks Continued

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Sherwin Williams Protective & Marine Coatings	Primer: Macropoxy C425V2	1	175	PA	See ANNEX D
	Finish: Macropoxy M630V2	1	75		BLI (A9116)

Area S14 – Battery Compartments

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Primer: Intergard 5000	1	125	TBC	See ANNEX D
	Finish: TBC				
Sherwin Williams Protective & Marine Coatings	Macropoxy C425V2	1	175	PA	See ANNEX D
	Macropoxy M630V2	1	75		BLI (A6833)

Area S15 – Machinery Space Bilges & Mounted Machinery Rafts

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Intergard 5000	1	175	A1	BLI (A5713)
International (Finish for Mounted Machinery Rafts)	Primer: Intergard 5000	1	125	TBC	See ANNEX D
	Finish: TBC				

Area S16 – Bulk Fuel & Oil, Lube Oil, Hydraulic & LP Air Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	Cleankeep 5000	1	300	N/A	BLI (A1687)
International	Interline 850	2	125	N/A	See Annex D
Maker Coating Systems Ltd	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				

Area S17 – Potable Water Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International	Interline 925	1	300	N/A	BLI (A2236)

Area S18 – Slop Drain Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Maker Coating Systems Ltd	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				

Area S19 – AFFF Tanks

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	Cleankeep 5000	1	300	N/A	BLI (A1687)
Maker Coating Systems Ltd	Primer: Corroless EPF	1	200	N/A	See ANNEX D
	Finish: TBC				

Area S20 – Demineralised Water Tanks

Consult DES SM PG-NavArch3b for latest approved coatings

Area S21 – Holding Primer (Blasted Steel Work)

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	NZ Primer S	1	25	N/A	BLI (A7303)
International	Intergard 269	1	30	N/A	BLI (A5954)
Jotun Paints (Europe) Limited	Muki EPS	1	20	N/A	BLI (A4527)
Sherwin Williams Protective & Marine Coatings	Macropoxy L574	1	25	N/A	BLI (A0565f)

Area S22 – Primers for Non-Ferrous Metals

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
International (Aluminium, Stainless Steel, Zinc Spray & Galvanise)	Intergard 276	1	30	A1	BLI, BLP (A7304)
PPG Protective & Marine Coatings	Sigmacover 400	2	125	PA	See Annex D
Sherwin Williams Marine Coatings (Aluminium, Stainless Steel & Galvanise)	Macropoxy L425	1	35	PA	BLI (A0565g)
Sherwin Williams Protective & Marine Coatings (Zinc Spray)	Macropoxy L574	1	25	PA	BLI (A0565f)

Area S23 – High Erosion Area**Area S24 – Beneath Tiling**

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Maker Coating Systems Ltd	Corroless EPF	2	200	N/A	EXT
Wessex Resins	UW46 Primer			N/A	EXT
	UW 46 Adhesive				

Area S25 – System for Coating Natural Rubber Mounts

Applied by mount supplier not to be touched up once finished

Area S26 – Internal Nuts & Bolts and to Fill Gaps Between Canning Plates & Lead Shielding**Area S27 – Sea Water Tanks**

Manufacturer	System	No. of Coats	NDFT Per Coat (µm)	DefStan 07-247	BR 1326
Chugoku Paints (UK) Ltd	Umeguard HS	2	160	N/A	BLI (A1650)
	Bannoh 1500	2	160	N/A	BLI (A7302)
International	Intergard 5000	2	160	N/A	BLI (A5713)
Jotun Paints (Europe) Ltd	Balloxy HB	2	160	N/A	BLI (A1156)
Sherwin Williams Protective & Marine Coatings	Macropoxy L524	2	160	N/A	BLI (A6839)
Sherwin Williams Protective & Marine Coatings (Repair only)	Duraplate 301W	TBC	TBC	N/A	BLI, LP (A8731)

Area S28 – LILO/Payload Bay Chamber Internal

Consult SDA-IS-Struc3b for latest approved coatings

ANNEX D: PRODUCT STOCK NUMBERS (NSNs) AND BR 1326 REFERENCES**A&E Group**

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Enviropeel E170	N/A	0	10 Kg	8030-99-598-8967

Acotec

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Humidur FP	N/A	0	TBC	TBC

Alocit

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Alocit 28.15	N/A	0	30 Kg	99-248-4702

Aquarium Marine Coatings LTD

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Copper Coat	N/A	0	0.5 ltrs	8010-99-298-0192
Copper Coat	N/A	0	1 ltrs	8010-99-349-7150

Arrow Chemicals

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Ensign	N/A	0	TBC	TBC

Belzona

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Belzona 1311	N/A	0	2 Kg	99-598-6837
BELZONA 1341	BLI (A0704)	5	5 Kg	99-322-3979
Belzona 4131 Magma Screed	N/A	N/A	20 Kg	8030-99-753-8764
Belzona 4911 Magma TX Conditioner	N/A	N/A	450 g	8030-99-811-6037
Belzona 5811 Immersion Grade Beige	N/A	32	4 ltrs	8010-99-217-6523
Belzona 5811 Immersion Grade Beige	N/A	32	16 ltrs	8010-99-847-3518
Belzona 5811 Immersion Grade Grey	N/A	32	4 ltrs	8010-99-988-4411
Belzona 5811 Immersion Grade Grey	N/A	32	16 ltrs	8010-99-879-5781
Belzona 5831	N/A	0	20 ltrs	8010-99-980-0440
Belzona 9221 Surefoot Grit	N/A	N/A	2 Kg	5350-99-436-3070

Cactus Industrial

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Kansai Sureseal 1208UWE	N/A	25	1.125 ltrs	8010-99-847-3498

Chugoku Paints (UK) LTD

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Bannoh 1500 Grey	BLI (A7302)	286	20 ltrs	8010-99-594-2828
Bannoh 1500 Red Brown	EXT	286	20 ltrs	8010-99-671-4223
Bannoh 1500 White	EXT	286	20 ltrs	8010-99-847-9236
Bannoh 1500 RZ Black	EXT	319	5 ltrs	8010-99-217-5165
Bannoh 1500 RZ Black	EXT	319	20 ltrs	8010-99-671-3957
Bannoh 1500 RZ Grey	EXT	319	5 ltrs	8010-99-851-0865
Bannoh 1500 RZ Grey	EXT	319	20 ltrs	8010-99-476-7885
Bannoh 1500 RZ Plum	EXT	319	5 ltrs	8010-99-499-0158
Bannoh 1500 RZ Plum	EXT	319	20 ltrs	8010-99-993-2082
Camideck Finish Type 1 Black	N/A	374	20 ltrs	99-543-0790
Camideck Finish Type 1 Green	N/A	374	5 ltrs	99-543-0791
Camideck Finish Type 1 Red	N/A	374	TBC	99-543-0793
Camideck Finish Type 1 White	N/A	374	5 ltrs	99-541-9583
Camideck Finish Type 2 BS381C 640	N/A	374	20 ltrs	8010-99-147-1303
Camideck Repair Kit Type 1	N/A	TBC	TBC	8010-99-300-7241
Camideck Repair Kit Type 2	N/A	TBC	TBC	TBC
Cleankeep 5000	BLI (A1687)	0	20 ltrs	8010-99-846-9828
CMP Bioclean HB Black	N/A	261	20 ltrs	8010-99-157-0240
CMP Bioclean HB Red Brown	N/A	261	20 ltrs	8010-99-976-4197
CMP Bioclean Plus Black	N/A	207	16 ltrs	8010-99-508-3742
CMP Bioclean Plus Red	N/A	207	16 ltrs	8010-99-236-6344
CMP Bioclean R Black	EXT	325	16 ltrs	8010-99-447-2539
CMP Bioclean R Red Brown	EXT	325	16 ltrs	8010-99-157-0242
CMP Bioclean SG R	N/A	385	TBC	TBC
CMP NOVA 5000 Barrier	N/A	0	8 Kg	8030-99-847-0896
Epicon T-800 Grey	N/A	359	20 ltrs	8010-99-846-9834
Epicon T-800 Red Brown	N/A	359	20 ltrs	8010-99-753-5350
NZ Primer S Red Oxide	BLI (A7303)	659	20 ltrs	8010-99-595-6056
Sea Grandprix 660 HS - Black	EXT	324	20 ltrs	8010-99-994-0641
Sea Grandprix 660 HS - Brown	EXT	324	20 ltrs	8010-99-362-2214
Sea Grandprix 660 HS - Light Brown	EXT	324	20 ltrs	8010-99-877-2315
Sea Grandprix 1000L Brown	N/A	408	20 ltrs	8010-99-671-5989
Sea Grandprix 1000L Light Brown	N/A	408	20 ltrs	8010-99-350-3772
Spar Varnish	N/A	433	5 ltrs	8010-99-157-1808
Umeguard HS Grey	BLI (A1650)	158	5 ltrs	8010-99-126-9478
Umeguard HS Silver	N/A	158	5 ltrs	8010-99-264-0145
Umeguard HS White	N/A	158	5 ltrs	8010-99-564-2409

Corrocoat LTD

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Corrocoat Zip E	N/A	TBC	5 ltrs	8010-99-258-6049
Corrocoat Zip E	N/A	TBC	10 ltrs	8010-99-357-9661
Corrocoat Zip E	N/A	TBC	20 ltrs	8010-99-879-5783

Corrocoat LTD Continued

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Polyglass VE	N/A	TBC	10 ltrs	8010-99-217-6714
Polyglass VE	N/A	TBC	20 ltrs	8010-99-969-5393
Polyglass VEF	N/A	TBC	10 ltrs	8010-99-443-6326
Polyglass VEF	N/A	TBC	20 ltrs	8010-99-472-2809
Polyglass VE Hand Applied	N/A	TBC	5 ltrs	8010-99-887-2418
Polyglass VE Hand Applied	N/A	TBC	10 ltrs	8010-99-157-2220
Polyglass VE Hand Applied	N/A	TBC	20 ltrs	8010-99-616-1935
Polyglass Zipcoat	N/A	TBC	10 ltrs	8010-99-407-7618
Polyglass Zipcoat	N/A	TBC	20 ltrs	8010-99-753-9548

DURIEU S.A

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Durieu Rustol Owatrol Oil	N/A	750	20 ltrs	8030-14-605-5515

Hempel Paints LTD

Product	BR 1326	VOC (g/l)	Pack Size	NSN
AF Globic 9000 78952 Black 19990	N/A	370	20 ltrs	8010-99-496-6897
AF Globic 9000 78952 Brown 60600	N/A	370	20 ltrs	8010-99-182-3980
AF Globic 9000 78952 Red 51110	N/A	370	20 ltrs	8010-99-894-2161
Galvosil 15700	N/A	434	15 ltrs	8010-99-593-8923
Hempadur 15553 Grey 11320	N/A	388	5 ltrs	8010-99-753-1967
Hempadur 15553 Grey 11320	N/A	388	20 ltrs	8010-99-671-3559
Hempadur 15570 Light Grey 12430	EXT	430	5 ltrs	8010-99-943-1152
Hempadur 35560 Cream 20320	N/A	0	20 ltrs	8010-22-626-9620
Hempadur 35560 Red 50900	N/A	0	19.4 ltrs	8010-99-310-1262
Hempadur 45143 BS4800 14C39	N/A	330	5 ltrs	8010-99-471-1920
Hempadur 45143 Red 50630	N/A	330	5 ltrs	8010-99-535-5832
Hempadur 45143 White 10000	N/A	330	5 ltrs	8010-99-602-7280
Hempadur 45880 Black 19990	EXT	220	5 ltrs	8010-99-414-4162
Hempadur 45880 Black 19990	EXT	220	20 ltrs	8010-99-350-3748
Hempadur 45880 MIO Grey 12430	EXT	198	5 ltrs	8010-99-803-7233
Hempadur 45880 MIO Grey 12430	EXT	198	20 ltrs	8010-99-479-5449
Hempadur 45880 White	BLI (A1687)	0	20 ltrs	8010-99-846-9828
Hempadur 49183	N/A	261	20 ltrs	8010-99-157-0240
Hempadur 85671 Light Grey 11150	N/A	261	20 ltrs	8010-99-976-4197
Hempadur 85671 Light Red 50900	N/A	207	16 ltrs	8010-99-508-3742
Hempadur Multi-Strength GF 35870 Black 19990	N/A	207	16 ltrs	8010-99-236-6344
Hempadur Multi-Strength GF 35870 Grey 11480	EXT	325	16 ltrs	8010-99-447-2539
Hempadur Quattro 17634 Red 50630	EXT	325	16 ltrs	8010-99-157-0242
Hempadur Quattro 17634 Yellow 22090	N/A	385	TBC	TBC

Hempel Paints LTD Continued

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Hempaguard X7 89900 Hydrogel c/w Biocides Black 19740	N/A	0	8 Kg	8030-99-847-0896
Hempaguard X7 89900 Hydrogel c/w Biocides Red 59161	N/A	359	20 ltrs	8010-99-846-9834
Hempasil 77300	N/A	359	20 ltrs	8010-99-753-5350
Hempasil Nexus X-Tend 27500 Yellow 23410	N/A	259	20 ltrs	8010-99-850-1509
Hempasil X3+ 87500 Hydrogel Silicone Black 19990	N/A	265	20 ltrs	8010-99-269-5072
Hempasil X3+ 87500 Hydrogel Silicone Red 59151	N/A	265	20 ltrs	8010-99-846-3921
Hempel AF Olympic +	EXT	365	TBC	TBC
Hempel Deck Repair Kit 942 GB	N/A	N/A	2 x 1 ltrs	99-471-2960
Hempel Marine Varnish 02220	N/A	430	5 ltrs	99-224-5783
Hempel Nexus II 27400 Light Grey 11070	EXT	400	20 ltrs	8010-99-969-4772
Hempel Non-Skid 45340 Black	N/A	347	5 ltrs	99-351-4222
Hempel Non-Skid 45340 BS381C 632 Type 1	N/A	335	20 ltrs	8010-99-670-9581
Hempel Non-Skid 45340 Type 1 Black	EXT	335	20 ltrs	8010-99-480-7979
Hempel Non-Skid 45340 White	N/A	347	5 ltrs	99-323-1118
Hempel Pro Acrylic 55883 Black	N/A	380	5 ltrs	8010-99-665-1287
Hempel Pro Acrylic 55883 Black	N/A	380	20 ltrs	8010-99-871-7371
Hempel Pro Acrylic 55883 BS381C 676	N/A	380	5 ltrs	8010-99-296-4348
Hempel Pro Acrylic 55883 BS381C 676	N/A	380	20 ltrs	8010-99-157-4045
Hempel Pro Acrylic 55883 Pale Green	N/A	380	5 ltrs	8010-99-847-8033
Hempel Pro Acrylic 55883 Pale Green	N/A	380	20 ltrs	8010-99-472-3498
Hempel Pro Acrylic 55883 Pigeon Blue	N/A	380	5 ltrs	8010-99-245-8686
Hempel Pro Acrylic 55883 Pigeon Blue	N/A	380	20 ltrs	8010-99-217-7447
Hempel Pro Acrylic 55883 White	N/A	380	5 ltrs	8010-99-217-7751
Hempel Pro Acrylic 55883 White	N/A	380	20 ltrs	8010-99-126-7775
Hempel Zinc Primer 16490	N/A	567	TBC	8010-22-615-7231

HMG

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Architectural Polyester 827 Series	N/A	TBC	TBC	TBC

Indestructible Paints

Product	BR 1326	VOC (g/l)	Pack Size	NSN
CDCR2 Deck Coating Black	N/A	480	4 ltrs	8010-99-493-5807
CDCR2 Deck Coating Black	N/A	480	12 ltrs	8010-99-865-8970
CDCR2 Deck Coating Blue	N/A	480	4 ltrs	8010-99-191-1639
CDCR2 Deck Coating Blue	N/A	480	12 ltrs	8010-99-616-2200
CDCR2 Deck Coating CAT	N/A	TBC	1 ltrs	8010-99-847-6608
CDCR2 Deck Coating Grey	N/A	480	4 ltrs	8010-99-959-6403
CDCR2 Deck Coating Grey	N/A	480	12 ltrs	8010-99-403-4431
CDCR2 Deck Coating White	N/A	480	4 ltrs	8010-99-157-3122

Indestructible Paints Continued

Product	BR 1326	VOC (g/l)	Pack Size	NSN
CDCR2 Deck Coating White	N/A	480	12 ltrs	8010-99-918-6159
IP3-6700 Epoxy Primer Green	N/A	350	1 ltrs	8010-99-337-6640
IP3-6700 Epoxy Primer Green	N/A	350	5 ltrs	8010-99-156-5170
IP3-6971 Epoxy Finish	N/A	420	1 ltrs	8010-99-436-3103
IP3-6971 Epoxy Finish	N/A	420	5 ltrs	8010-99-868-0774
Ipstrip 500	N/A	N/A	5 ltrs	8010-99-564-1047
Ipstrip 500	N/A	N/A	25 ltrs	8010-99-584-2854

International

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Interfine 629 HS Black	N/A	336	5 ltrs	8010-99-375-3200
Interfine 629 HS BS381C 225	N/A	336	5 ltrs	8010-99-957-7410
Interfine 629 HS BS381C 537	N/A	336	5 ltrs	8010-99-535-9034
Interfine 629 HS Dark Weather Work Grey	N/A	339	5 ltrs	8010-99-959-5324
Interfine 629 HS Dark Weather Work Grey	N/A	339	20 ltrs	8010-99-258-5551
Interfine 629 HS Dazzle Grey	N/A	339	5 ltrs	8010-99-564-1369
Interfine 629 HS Dazzle Grey	N/A	339	20 ltrs	8010-99-564-1371
Interfine 629 HS Light Weather Work Grey	N/A	339	5 ltrs	8010-99-920-5440
Interfine 629 HS Light Weather Work Grey	N/A	339	20 ltrs	8010-99-156-9062
Interfine 629 HS Medium Sea Grey	N/A	339	5 ltrs	8010-99-380-1890
Interfine 629 HS Medium Sea Grey	N/A	339	20 ltrs	8010-99-940-7153
Intergard 263 Tie Coat Light Grey	N/A	379	20 ltrs	8010-99-133-3854
Intergard 269 Protective Primer	BLI (A5954)	411	20 ltrs	8010-99-983-0743
Intergard 276 Grey	BLI, BLP (A7304)	411	20 ltrs	8010-66-158-8437
Intergard 276 White	BLI, BLP (A7304)	411	20 ltrs	8010-99-564-0695
Intergard 740 Black	N/A	420	5 ltrs	99-488-7443
Intergard 740 Black ECY999/A	N/A	420	20 ltrs	8010-99-285-3824
Intergard 740 BS381C 640	N/A	420	5 ltrs	8010-99-182-2627
Intergard 740 Green	N/A	420	20 ltrs	99-262-7677
Intergard 740 Red Oxide	N/A	420	5 ltrs	99-377-5457
Intergard 740 Signal Red	N/A	420	20 ltrs	8010-99-277-2965
Intergard 740 White	N/A	420	5 ltrs	99-773-8674
Intergard 740 Yellow	N/A	420	5 ltrs	99-969-1037
Intergard 1735 Light Grey	BCI (A4417)	132	5 ltrs	8010-99-615-7042
Intergard 1735 WB BS381C 640	BCI (A7275)	132	5 ltrs	8010-99-702-0607
Intergard 1735 WB BS4800 00A01	N/A	132	5 ltrs	8010-99-255-0527
Intergard 1735 WB BS4800 14C39	N/A	132	5 ltrs	8010-99-483-1994
Integrard 1735 White	BCI (A4417)	132	TBC	TBC
Intergard 5000 Aluminium	N/A	220	20 ltrs	8010-99-846-1310

International Continued

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Intergard 5000 Black	BLI, NF (A8103)	179	20 ltrs	8010-99-345-8079
Intergard 5000 BS4800 00A01	BLI (A5713)	179	5 ltrs	8010-99-000-5256
Intergard 5000 Buff	N/A	179	20 ltrs	8010-99-156-8012
Intergard 5000 Green	BLI (A5713)	179	5 ltrs	8010-99-555-1384
Intergard 5000 White	BLI (A5713)	179	20 ltrs	8010-99-366-6762
Interlac 678	N/A	373	5 ltrs	99-328-9646
Interfine 878 BS381C 676	N/A	246	5 ltrs	8010-99-274-4682
Interfine 878 Black	N/A	246	5 ltrs	8010-99-907-6683
Interfine 878 Black	N/A	246	20 ltrs	8010-99-280-2953
Interfine 979 White	N/A	165	5 ltrs	8010-99-168-7337
Interfine 979 Green	N/A	165	5 ltrs	8010-99-729-7357
Interline 704	N/A	385	20 ltrs	8010-99-555-6072
Interline 850 Grey	N/A	212	20 ltrs	8010-99-690-8481
Interline 850 White	N/A	212	20 ltrs	8010-99-669-8513
Interline 925	BLI (A2236)	1	20 ltrs	8010-99-131-8010
Interline 925 Cream	BLI (A2236)	1	20 ltrs	8010-99-216-8379
Interline 994 Buff	N/A	290	5 ltrs	8010-99-379-1407
Interline 994 Buff	N/A	290	20 ltrs	8010-99-391-4659
Interline 994 Grey	N/A	290	5 ltrs	8010-99-258-5403
Interline 994 Grey	N/A	290	20 ltrs	8010-99-238-9885
Interplus 4101 Yellow	N/A	N/A	25 ltrs	8030-99-846-2819
Interplus 4103 Yellow	N/A	N/A	25 ltrs	8030-99-369-2168
Interpon D1036 Satin (70)	N/A	TBC	TBC	TBC
Interpon Redux Plus AL258F	N/A	TBC	TBC	TBC
Intershield 300	EXT	386	10 ltrs	8010-99-151-9594
Intershield 851 Black	N/A	169	TBC	TBC
Intershield 851 BS381C 640	N/A	169	20 ltrs	8010-99-391-0953
Intershield 852 Black	N/A	134	4.25 ltrs	8010-99-250-1864
Intershield 852 BS381C 632	N/A	134	5 ltrs	8010-99-149-8996
Intershield 852 BS381C 640	N/A	134	5 ltrs	8010-99-583-1344
Intershield 852 Green	N/A	134	4.25 ltrs	8010-99-871-6360
Intershield 852 Red	N/A	134	4.25 ltrs	8010-99-666-9269
Intershield 852 White	N/A	134	5 ltrs	8010-99-968-9269
Intersleek 737 Grey	EXT	325	10 ltrs	8010-99-396-1959
Intersleek 737 Pink	EXT	325	10 ltrs	8010-99-918-1064
Intersleek 1100SR Black	EXT	248	10 ltrs	8010-99-615-7741
Intersleek 1100SR Red	EXT	248	10 ltrs	8010-99-841-5218
Intersleek 7180 Red Brown	N/A	377	20 ltrs	99-593-3810
Intersmooth 7460 Red	N/A	425	20 ltrs	8010-99-216-8317
Interspeed 6400	EXT	358	20 ltrs	8010-33-209-1579
Intertherm 50 Aluminium	BLI (A3501)	495	6 ltrs	8010-99-969-0549

International Continued

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Intertherm 891 Aluminium	N/A	425	5 ltrs	8010-99-988-8802
Intertherm 891 Aluminium	N/A	425	20 ltrs	8010-99-753-8906
Interzinc 22 Greenish Grey	BLI (A8849)	470	14 ltrs	99-927-5431
Interzinc 72 Blue	N/A	410	10 ltrs	8010-99-981-4272
Interzinc 72 Grey	N/A	410	10 ltrs	8010-99-993-5751
Interzone 101 Green	N/A	0	12 ltrs	99-915-9726

Jotun Paints (Europe) LTD

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Balloxy HB Light Green	BLI (A1156)	150	18 ltrs	8010-17-108-7825
Hardtop CA BS381C 676	N/A	340	5 ltrs	8010-99-846-3401
Hardtop CA BS381C 676	N/A	340	20 ltrs	8010-99-368-1686
Hardtop CA BS4800 00A01	N/A	340	5 ltrs	8010-99-577-8447
Hardtop CA BS4800 00A01	N/A	340	TBC	TBC
Hardtop Optima BS381C 676	N/A	215	5 ltrs	8010-99-992-1998
Hardtop Optima BS381C 676	N/A	215	20 ltrs	8010-99-436-0000
Jotacote Universal N10 Red	N/A	239	20 ltrs	8010-99-754-5667
Jotacote Universal N10 Grey	N/A	239	20 ltrs	8010-99-407-9318
Jotacote Universal N10 White	N/A	239	20 ltrs	8010-99-616-2454
Jotamastic 80 Aluminium Red Tone	N/A	145	5 ltrs	8010-99-226-7124
Jotamastic 80 Aluminium Red Tone	N/A	145	20 ltrs	8010-99-235-5945
Marathon IQ 2	N/A	42	TBC	TBC
Muki EPS Red	BLI (A4527)	610	18.5 ltrs	8010-99-564-0809
Safeguard Universal ES Plum	N/A	330	18 ltrs	8010-99-671-3575
Seaquantum Classic S Dark Red	N/A	460	20 ltrs	8010-99-156-7984
Seaquantum Ultra S Dark Red	N/A	460	20 ltrs	8010-99-690-8855
Seaqwest Red	N/A	247	18.45 ltrs	8010-99-937-0885
Spontan Varnish	N/A	470	5 ltrs	99-161-6220
Tankguard DW Light Grey	N/A	2	15 ltrs	8010-99-241-9602
Tankguard DW White	N/A	2	15 ltrs	8010-99-846-3419
Tankguard Storage Light Grey	N/A	310	18.8 ltrs	8010-99-156-7988
Tankguard Storage Light Red	N/A	310	18.8 ltrs	8010-99-359-5632
Tankguard Storage Red	N/A	310	18.8 ltrs	8010-99-959-5076

Maker Coating Systems LTD

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Biofix 561 Lt Black	N/A	0	7.5 ltrs	99-133-9985
Corroless CCI 355	N/A	N/A	20 Kg	9150-99-676-5736
Corroless EPF Black	EXT	80	5 ltrs	8010-99-212-7555

Maker Coating Systems LTD Continued

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Corroless EPF Buff	N/A	80	5 ltrs	8010-25-150-0972
Corroless EPF Silver grey	BLI (A8430)	80	TBC	TBC
Corroless RF35 Grey	N/A	93	5 ltrs	8010-99-337-0778
Corroless RF35 White	N/A	93	5 ltrs	8010-25-150-0973
Zinga	N/A	537	5 Kg	99-884-0220

N A Robson

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Back To Nature VIII	N/A	N/A	N/A	99-361-6273

Parker Chomerics

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Cho-Shield 610	N/A	591	7 ltrs	5999-01-703-3871

Performance Polymer Group

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Thermaguard CUI 650	BLI, BLP, E (A8287)	342	TBC	TBC

PPG Protective & Marine Coatings

Product	BR 1326	VOC (g/l)	Pack Size	NSN
91-92 Thinner (for Phenguard 965)	BLI (A4904)	TBC	5 ltrs	8010-17-054-9628
Envirocron PCS P4 Series	N/A	TBC	TBC	TBC
Phenguard 965 Grey	BLI (A7390)	329	20 ltrs	8010-99-671-3967
Phenguard 965 Off-White	BLI (A7390)	329	20 ltrs	8010-99-671-6996
Phenguard 965 Pink	BLI (A7390)	329	20 ltrs	8010-99-371-3796
PSX 700 BS4800 14C39	N/A	164	5 ltrs	8010-17-113-6169
PSX 700 White	N/A	164	5 ltrs	8010-17-113-5689
Sigmacover 280 LT 7417 Yellow	N/A	432	20 ltrs	8010-99-569-7697
Sigmacover 400 Black	BLI (A6852)	106	20 ltrs	8010-99-507-5313
Sigmacover 400 Blue	N/A	106	20 ltrs	8010-99-157-1462
Sigmacover 400 Bright Yellow	N/A	106	20 ltrs	8010-99-671-6874
Sigmacover 400 Brunswick Green	BLI (A6854)	106	20 ltrs	8010-99-157-1463
Sigmacover 400 Grey	N/A	106	20 ltrs	8010-99-156-8080
Sigmacover 400 Red	N/A	106	20 ltrs	8010-99-847-2868
Sigmacover 400 Steel	N/A	106	20 ltrs	8010-99-320-1413
Sigmacover 400 Storm	N/A	106	20 ltrs	8010-99-564-3846
Sigmacover 400 White	N/A	106	20 ltrs	8010-99-156-8092

PPG Protective & Marine Coatings Continued

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Sigmacover 555	N/A	387	TBC	8010-99-902-5868
Sigmadur 540 BS381C 676	N/A	411	20 ltrs	8010-99-671-3651
Sigmadur 540 Extra Dark Sea Grey	N/A	411	20 ltrs	8010-99-846-3541
Sigma Ecofleet 530 Black	EXT	339	20 ltrs	8010-99-375-0408
Sigma Ecofleet 530 Brown	EXT	339	20 ltrs	8010-99-996-2266
Sigma Ecofleet 530 Red Brown	EXT	339	20 ltrs	8010-99-153-6929
Sigmatglide 790	EXT	187	20 ltrs	8010-99-406-0976
Sigmatglide 1290 Black	EXT	118	TBC	8010-99-217-0543
Sigmaguard CSF 585 Blue	N/A	6	20 ltrs	8010-17-120-3206
Sigmaguard CSF 650 Grey	N/A	143	20 ltrs	8010-99-489-1723
Sigmaguard CSF 650 White	N/A	143	20 ltrs	8010-99-376-9810
Sigmaguard CSF 650 Red Brown	N/A	143	20 ltrs	8010-99-902-6226
Sigmaprime 700	EXT	313	TBC	TBC
Sigmarine 42	N/A	393	1 ltr	8010-99-364-1912
Sigmarine 42	N/A	393	5 ltrs	8010-99-157-1792
Sigmashield 880 Black	N/A	207	20 ltrs	8010-99-871-5235
Sigmashield 1200	N/A	143	TBC	8010-99-840-4140
Sigmatherm 500	N/A	600	5 ltrs	8010-99-858-6097
Sigmatherm 500	N/A	600	20 ltrs	8010-99-371-3802
Sigmazinc 19	N/A	584	2 ltrs	99-152-6131
T-Phos 53 Pre-treatment	N/A	TBC	TBC	TBC

Sherwin Williams Protective & Marine Coatings

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Acrolon 1850 White	N/A	345	5 ltrs	8010-99-217-7329
Duraplate 301W Grey	BLI, LP (A8731)	100	4 ltrs	8010-99-157-4065
Duraplate 301W Grey	BLI, LP (A8731)	100	16 ltrs	8010-99-355-5806
Duraplate 301W White	BLI, LP (A8731)	100	4 ltrs	8010-99-362-2298
Duraplate 301W White	BLI, LP (A8731)	100	16 ltrs	8010-99-707-4234
Epidek M339	N/A	250	2 ltrs	8010-99-383-4334
Epidek M339 Extra Dark Sea Grey	N/A	250	20 ltrs	8010-99-215-4495
Epidek M377 BS381C 632	N/A	330	4 ltrs	8010-99-777-8689
Epidek M377 Green	N/A	330	4 ltrs	99-777-8691
Epidek M377 Non-Skid Type 1 Black	N/A	330	4 ltrs	8010-99-777-8692
Epidek M377 White	N/A	330	4 ltrs	99-777-8690
Kem-Kromik 155	N/A	410	5 ltrs	8010-99-753-8892
Kem-Kromik 155	N/A	410	20 ltrs	8010-99-184-8658
Kem-Kromik A165 Silicone Alkyd BS381C 676	N/A	407	5 ltrs	8010-99-982-2604
Macropoxy C425V2 Light Grey	BLI (A6836)	186	5 ltrs	8010-99-786-7949
Macropoxy C425V2 Light Grey	BLI (A6836)	186	20 ltrs	8010-99-126-6377

Sherwin Williams Protective & Marine Coatings Continued

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Macropoxy C425V2 Off White	BLI (A6837)	186	5 ltrs	8010-99-133-8714
Macropoxy L425 Red	BLI (A0565g)	346	5 ltrs	8010-99-777-8688
Macropoxy L524 Grey	BLI (A6839)	296	4 ltrs	8010-99-397-4941
Macropoxy L524 White	N/A	296	4 ltrs	8010-99-564-2934
Macropoxy L574	BLI (A0565f)	594	20 ltrs	8010-99-895-9894
Macropoxy M111 Red Oxide	BLI (A0662)	383	5 ltrs	8010-99-884-5957
Macropoxy M262	N/A	354	5 ltrs	8010-99-133-8713
Macropoxy M630V2 Black	N/A	0	5 ltrs	8010-99-739-8402
Macropoxy M630V2 BS381C 676	BLI (A6833)	0	5 ltrs	8010-99-131-6908
Macropoxy M630V2 BS4800 00A01	BLI (A6833)	0	5 ltrs	8010-99-535-5105
Macropoxy M630V2 BS4800 14C39	N/A	0	5 ltrs	8010-99-255-5237
Macropoxy M630V2 Dark Admiralty Grey	N/A	0	20 ltrs	99-868-4125
Macropoxy M630V2 Fathom Blue	N/A	0	20 ltrs	99-753-8430
Macropoxy M630V2 Holly Green	BLI (A9116)	0	20 ltrs	99-671-6651
Macropoxy M630V2 White	BLI (A6830)	0	4 ltrs	8010-99-313-4440
Macropoxy M922M Mastic Aluminium	EXT	146	4 ltrs	8010-99-495-3873
Macropoxy M922 Off White	N/A	143	20 ltrs	8010-99-154-4488
Macropoxy M922 White	N/A	143	4 ltrs	8010-99-365-5970
Mordant Wash L703	N/A	307	5 ltrs	6810-99-861-9824
Sher-Cryl M770 BS381C 537	N/A	78	5 ltrs	8010-99-225-7155
Sher-Cryl M770 BS381C 225	N/A	78	5 ltrs	8010-99-313-9445
Sher-Cryl M770 BS4800 18D43	N/A	78	5 ltrs	8010-99-723-3651
Sher-Cryl M770 BS381C 309	N/A	78	5 ltrs	8010-99-726-4136
Sher-Cryl M770 Black	N/A	78	5 ltrs	8010-99-768-1426
Sher-Cryl M770 BS381C 676	N/A	78	5 ltrs	8010-99-833-4765
Sher-Cryl M770 BS381C 226	N/A	78	5 ltrs	8010-99-862-5170
Sher-Cryl M770 BS381C 104	N/A	78	5 ltrs	8010-99-878-8150
Sherwin M671 Medium Grey	N/A	380	5 ltrs	8010-99-872-1746
Sherwin M671 Medium Grey	N/A	380	20 ltrs	8010-99-862-7354

SPI Performance Coatings LTD

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Staingard PF	N/A	0	TBC	TBC

Subsea Industries

Product	BR 1326	VOC (g/l)	Pack Size	NSN
Ecoshield	N/A	240	TBC	TBC

Trimite

Product	BR 1326	VOC (g/l)	Pack Size	NSN
P9201	N/A	TBC	TBC	TBC
S59 Topcoat	BLI, NF (A2009)	580	5 ltrs	8010-99-564-4008
Sp59 Primer	N/A	TBC	5 ltrs	8010-99-378-5631
Trimite D00294 Matt NATO Green	N/A	538	5 ltrs	8010-99-959-6392
Trimite D00341 Matt Black	N/A	538	5 ltrs	8010-99-354-1492
Trimite D00347 Matt Light Stone	N/A	538	5 ltrs	8010-99-671-8238
Trimite D00355 Matt Grey Beige Ral	N/A	538	5 ltrs	8010-99-994-0685
Trimite D00357 Matt Tan	N/A	538	5 ltrs	8010-99-226-7983
Trimite D00371 Matt Yellow Olive	N/A	538	5 ltrs	8010-99-870-3865
Trimite D00386 Matt UK Army Brown	N/A	538	5 ltrs	8010-99-157-3098
Trimite D00387 Matt Brown	N/A	538	5 ltrs	8010-99-579-8491
Trimite D00389 Matt DK Sandstone Camo	N/A	538	5 ltrs	8010-99-894-2220

Wessex Resins

Product	BR 1326	VOC (g/l)	Pack Size	NSN
UW 46 Adhesive	EXT	TBC	150 Kg	8040-99-297-7593
UW46 Primer	EXT	TBC	3 Kg	8040-99-593-3008

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