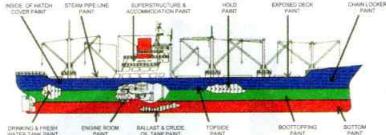


# 25

## Marine Paint

Guidance of Marine Paint		Marine Paint Comparison Table
P. 25-1		P. 25-2 ~ 7
P. 25-8	Miscellaneous Paint	Varnish, Oil, Etc.
P. 25-9	Latest Fouling Control Coatings	 Coatings P. 25-10 ~ 12

## Marine Paint

Pintura Marina 船用ペイント 船用油漆

A wide range of products from different manufacturers are available. Some points to pay attention to in the painting process are described as follows.

### 1) Method of surface preparation

If the pretreatment of steel is insufficient, it is not possible to expect satisfactory results in the paint application. The main surface preparation methods are listed below as a reference.

#### Blast Cleaning

Sand blast	Shot blast	Vacuum blast
Mill scales, rust and harmful substances can be completely removed.		
Surface with complicated configurations can also be treated.	Efficient treatment can be performed.	Scattering of dust is limited.

#### Power Tool Cleaning

Disc sander	Power brush	Tube cleaner
Rust removing and cleaning can be efficient performed with relatively little effort.		

#### Hand Tool Cleaning

Scraper	Hammer
Handling is very simple and easy.	

#### Chemical Cleaning

Picking
Mill scales and rust can be completely removed. Picking is suitable for treatment of complicated configurations.

### 2) Primary surface preparation

1. Mill scales, rust and other foreign matters are to be removed to the grade of near white by blast cleaning.
2. After the blast cleaning, all blast abrasives and dust on the steel surfaces must be completely removed.
3. The surfaces will return to rust within a short time. Therefore it is necessary to apply a shop primer immediately.

### 3) Shop primer

Rust will return to the surfaces within a short time so it is necessary to apply a shop primer immediately.

### 4) Secondary surface preparation

Secondary surface preparation should be performed before painting because the surface of steel plates that have been coated with shop primer will be damaged by fusion cutting; welding, distortion and exposure to corrosive atmospheres.

### 5) Storage stability

When paints are stored outdoors, they will deteriorate in a shorter period. It is therefore recommended to store paints indoors in a cool place.

### 6) Painting with an airless sprayer

When paint is being applied by an airless sprayer, it is necessary to select suitable painting equipment. The following table provides a guide in the selection of airless sprayers.

Guide Table for the selection of Airless Paint Sprayers

Pressure Ratio	23:1	30:1	45:1
Max. Pressure of Nozzle	160 kgf/cm <sup>2</sup>	210 kgf/cm <sup>2</sup>	300 kgf/cm <sup>2</sup>
Max. Pressure of Air Supply	7 kgf/cm <sup>2</sup>	7 kgf/cm <sup>2</sup>	6.6 kgf/cm <sup>2</sup>
Max. Discharge Quality	1.9 ltr/min	11.4 ltr/min	12.6 ltr/min
Application	General finish coating, anti-corrosive paint, etc.	Chlorinated rubber paint, epoxy resin paint, etc.	Epoxy resin paint, tar epoxy resin paint, high viscosity type paint, etc.

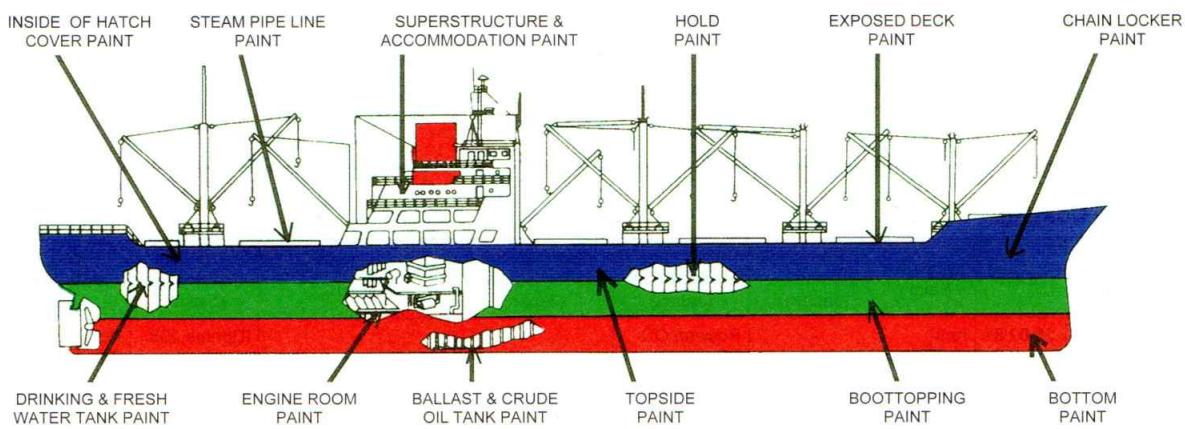
### 7) Atmospheres in which it is not suitable to paint

1. When the atmospheric pressure is less than 5°C.
2. When there is high humidity.
3. When there is a possibility of bubbling because the surface is scorched by the sun.
4. When there is a possibility that moisture, sand, dust, or other foreign matter will adhere to the paint while it is still wet.

### 8) Ventilation

It is required that the space being painted is properly ventilated to avoid the possible risk of ignition of paint or gasoline fumes and explosion.

## Marine Paint Coating Chart



### Marine Paint Comparison Table

The following tables show a comparison of paints from major paint manufacturers of the world. Listed here are typical standard examples. Some may differ depending on the trading condition, expected life, etc. Please consult with the paint manufacturer before making your final decision. Please specify the following points when ordering.

For example

1. Representative code	: 25 02 81	5. Manufacturer's name	: _____
2. Where to be applied	: Boottop coating	6. Brand name	: _____
3. Type of system	: Alkyd	7. Colour	: _____
4. Kind of paint	: Anti-corrosive	8. Quantity	: _____ ltr

#### **Bottom/Vertical Coating**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
TBT Free CDP Antifouling	<b>25 16 41</b>	Anti-corrosive Tie-Coat	Intershield 300	Bannoh 1500	NOA 10 M	Jotamastic 87 Aluminium QD AC HB	IDCP 362	Weg Tar Free 712 Weg Tie Coat
	<b>42</b>		Intergard 263	Bannoh 1500RZ	-		IDepoguard 363	
	<b>43</b>	Anti-fouling	Interspeed 6400/6200	Seatender 10	Bioflex 800	C-Ruban AF HP	IDleap 340	Weg Tin Free 805
TBT Free SPC Antifouling	<b>25 16 45</b>	Anti-corrosive Tie-Coat	Intershield 300	Bannoh 1500	NOA 10 M	Jotamastic 87 Aluminium QD AC HB	IDCP 362	Weg Tar Free 712 Weg Tie Coat
	<b>46</b>		Intergard 263	Bannoh 1500RZ	-		IDepoguard 363	
	<b>47</b>	Anti-fouling	Interswift 6800 HS/6600 Intercept 7000	Sea Grandprix 770HS	Ecoloflex SPC 200Z	Seaqueen/Seaforce	IDquick 755	Weg Ecomarine
TBT Free Self Polishing Copolymer A/F (for Coastal Vessels)	<b>25 16 71</b>	Anti-corrosive Tie-Coat	Intershield 300	Bannoh 1500	NOA 10 M	Jotamastic 87 Aluminium QD AC HB	IDCP 362	Weg Tar Free 712 Weg Tie Coat
	<b>72</b>		Intergard 263	Bannoh 1500RZ	-		IDDepoguard 363	
	<b>73</b>	Anti-fouling	Intersmooth 360 SPC 7670 SPC	Sea Grandprix 2000A	Ecoloflex SPC 600	Takata Quantum for Coastal Vessel/Takata LLL No. 100	IDpoly 460 SPC	Weg Ecoloflex SPC 200
TBT Free Self Polishing Copolymer A/F (for Deep Sea Vessels)	<b>25 16 75</b>	Anti-corrosive Tie-Coat	Intershield 300	Bannoh 1500	NOA 10 M	Jotamastic 87 Aluminium QD AC HB	IDCP 362	Weg Tar Free 712 Weg Tie Coat
	<b>76</b>		Intergard 263	Bannoh 1500RZ	-		IDDepoguard 363	
	<b>77</b>	Anti-fouling	Intersmooth 7460HS SPC 7200Si SPC 7475Si SPC Intercept 8500LPP	Sea Grandprix 880M HS 950L 1000L	Ecoloflex SPC 150 HyB	Takata Quantum/Takata Quantum LLL	IDpoly 560 SPC	Weg Ecoloflex SPC 100
Silicon Foul Release Coating Intersleek 1000 System (for > 8 knot)	<b>25 18 01</b>	Anti-corrosive Tie-Coat	Intershield 300	Bannoh 1500	Uniprotector	NU Forte (M)	IDshield 400	Weg Tar Free Plus
	<b>02</b>		Intersleek 737	CMP Bioclean R	Ecolosilk Tiecoat	Everclean No. 5000 Undercoat	IDfast 837	-
	<b>03</b>	Foul Release	Intersleek 1000	CMP Bioaclean HB	Ecolosilk	Everclean No. 5000 Topcoat	IDfast 857	-
Fluoropolymer Foul Release Coating Intersleek 1100SR System (for > 6 knot)	<b>25 18 05</b>	Anti-corrosive Tie-Coat	Intershield 300	Bannoh 1500	-	-	IDshield 400	Weg Tar Free Plus
	<b>06</b>		Intersleek 737	CMP	-	-	IDfast 837	-
	<b>07</b>	Foul Release	Intersleek 1100SR	Bioclean R PLUS CMP Bioclean PLUS	-	-	-	-

#### **Boottop Coating**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd	<b>25 02 81</b>	Anti-corrosive	-	Roswan QD HB	-	-	IDprime 298	Weg Oceano Primer
	<b>82</b>	Finish Coating	-	Evamarine	-	-	IDalkyd 765	Weg Oceano

(to be continued)

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Acrylic	25 05 01	Anti-corrosive	Intershield 300	Bannoh 1500	NOA 10 M	Jotamastic 87	IDCP 362	Weg Tar Free
	02	Tie-Coating	Intergard 263-	-	-	-	IDepoguard 363	Weg Tie Coat
	03	Finish Coating	Intersheen 579	Acri 700 Finish	Nippon A-Marine Finish	Pioneer Topcoat	IDsurf 679	Weg N 1197
Epoxy	25 10 12	Anti-corrosive	Intershield 300	Bannoh 1500	NOA 10 M	Jotamastic 87	IDCP 362	Weg Tar Free
	14	Finish Coating	Intergard 740	Epicon Finish HB	Nippon E-Marine Finish M	Epomarine BTD	IDDepoguard 840	Weg N 1198
Urethane	25 07 01	Anti-corrosive	Intershield 300	Bannoh 1500	NOA 10 M	Jotamastic 87	IDCP 362	Weg Tar Free
	02	Finish Coating	Interthane 990	Uny Marine	Nippon U-Marine Finish	Retan 6000	IDthane 1090	Wegthane 833

### Topside Coating

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd	25 02 85	Anti-corrosive	-	Roswan QD HB	-	-	IDprime 298	Weg Oceano Primer
	86	Finish Coating	-	Evamarine	-	-	IDalkyd 765	Weg Oceano
Acrylic	25 05 05	Anti-corrosive	Intershield 300	Bannoh 1500	NOA 10 M	Jotamastic 87	IDCP 362	Weg Tar Free
	06	Tie-Coating	Intergard 263	-	-	-	IDDepoguard 363	Weg Tie Coat
	07	Finish Coating	Intersheen 579	Acri 700 Finish	Nippon A-Marine Finish	Pioneer Topcoat	IDsurf 679	Weg N 1197
Epoxy	25 08 22	Anti-corrosive	Intershield 300	Bannoh 1500	NOA 10 M	Jotamastic 87	IDCP 362	Weg Tar Free
	24	Finish Coating	Intergard 740	Epicon Finish HB	Nippon E-Marine Finish M	Epomarine BTD	IDDepoguard 840	Weg N 1198
Urethane	25 07 05	Anti-corrosive	Intershield 300	Bannoh 1500	NOA 10 M	Jotamastic 87	IDCP 362	Weg Tar Free
	06	Finish Coating	Interthane 990	Uny Marine	Nippon U-Marine Finish	Retan 6000	IDthane 1090	Wegthane 833

### Weather Deck Coating

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd	25 02 91	Anti-corrosive	Interstores Alkyd Primer	Roswan QD HB	Nippon O-Marine Primer	-	IDprime 298	Weg Oceano Primer
	92	Finish Coating	Interlac 665	Evamarine	Nippon O-Marine Finish	-	IDalkyd 765	Weg Oceano
Acrylic	25 05 11	Anti-corrosive	Interstores Alkyd Primer	Bannoh 1500	Uniprime 20	Pioneer Primer	IDCP 362	Weg Tar Free
	12	Tie-Coat	-	-	-	-	IDDepoguard 363	Weg Tie Coat
	13	Finish Coating	Intersheen 579	Acri 700 Finish	Nippon A-Marine Finish	Pioneer Topcoat	IDsurf 679	Weg N 1197
Epoxy	25 10 35	Anti-corrosive	Interbond 201	Umeguard SX	Neoguard 100	Epomarine EX500	IDDepoprime 301	Wegdur HS
	34	Finish Coating	Intergard 740	Epicon Finish HB	Nippon E-Marine Finish M	Epomarine BTD	IDDepoguard 840	Weg N 1198
Urethane	25 07 11	Anti-corrosive	Intershield 300	Umeguard SX	Neoguard 100	Epomarine EX500	IDDepoprime 301	Wegdur HS
	12	Finish Coating	Interthane 990	Uny Marine	Nippon U-Marine Finish	Retan 6000	IDthane 1090	Wegthane 833

**Cargo Hold Coating**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd	<b>25 02 95</b>	Anti-corrosive	-	-	-	-	IDprime298	Weg Oceano Primer
	<b>96</b>	Finish Coating	-	-	-	-	IDalkyd765	Weg Oceano
Epoxy	<b>25 10 44</b>	Anti-corrosive	Interbond 201	Umeguard SX	Neoguard 100	Epomarine EX500	IDDepoprime 301	Wegdur HS
	<b>43</b>	Finish Coating	Interbond 201	Umeguard SX	Neoguard 100	Epomarine EX500	IDDepoprime 301	Wegdur HS
	<b>25 10 44</b>	Anti-corrosive	Interbond 201	Umeguard SX	Nippon E-Marine 400	-	IDDepoprime 601	Wegdur HS
	<b>43</b>	Finish Coating	Interbond 201	Umeguard SX	Nippon E-Marine 400	-	IDDepoprime 601	Wegdur HS
	<b>25 10 44</b>	Anti-corrosive	Intershield 300	Bannoh 1500	Uniprotector	Epomarine EX600	IDshield 400	Weg Tar Free Plus
	<b>43</b>	Finish Coating	Intershield 300	Bannoh 1500	Uniprotector	Epomarine EX600	IDshield 400	Weg Tar Free Plus
	<b>25 10 44</b>	Anti-corrosive	Intershield 803/803Plus	Umeguard Super-H	Neoguard 100 GF/NOA GF	Jotamastic 87	IDshield 903	-
	<b>43</b>	Finish Coating	Intershield 803/803Plus	Umeguard Super-H		Jotamastic 87	IDshield 903	-

**Outside of Structure Coating**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd	<b>25 03 01</b>	Anti-corrosive	Interstores Alkyd Primer	Roswan QD HB	Nippon O-Marine Primer/Uniprime 10	-	IDprime298	Weg Oceano Primer
	<b>02</b>	Finish Coating	Interlac 665	Evamarine	Nippon O-Marine Finish	-	IDalkyd765	Weg Oceano
Acrylic	<b>25 05 15</b>	Anti-corrosive	Interstores Alkyd Primer	Bannoh 1500	Uniprime 20	Pioneer Primer	IDCP362	Weg Tar Free
	<b>16</b>	Tie-Coat	-	-	-	-	IDDepoguard 363	Weg Tie Coat
	<b>17</b>	Finish Coating	Intersheen579	Acri 700 Finish	Nippon A-Marine Finish	Pioneer topcoat	IDsurf679	Weg N 1197
Epoxy	<b>25 10 55</b>	Anti-corrosive	Interbond 201	Umeguard SX	Neoguard 100	Epomarine EX500	IDDepoprime 301	Wegdur HS
	<b>54</b>	Finish Coating	Intergard 740	Epicon Finish HB	Nippon E-Marine Finish M	Epomarine BTD	IDDepoguard 840	Weg N 1198
Urethane	<b>25 07 15</b>	Anti-corrosive	Intershield 300	Umeguard SX	NOA 10 M	Epomarine EX500	IDDepoprime 301	Wegdur HS
	<b>16</b>	Finish Coating	Interthane 990	Uny Marine	Nippon U-Marine Finish	Retan 6000	IDthane 1090	Wegthane 833
Poly-siloxane	<b>25 09 01</b>	Anti-corrosive	Intershield 300	Bannoh 1500	-	-	IDshield 400	Weg Tar Free Plus
	<b>02</b>	Finish Coating	Interfine 878	Keisol	-	-	IDVinguard 1079	-

**Accommodation Space Coating**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd	<b>25 03 05</b>	Anti-corrosive	Interstores Alkyd Primer	Roswan QDHB	Nippon O-Marine Primer	SD Marine Build Primer	IDprime298	Weg Oceano Primer
	<b>06</b>	Finish Coating	Interlac 665	Evamarine	Nippon O-Marine Finish	SD Marine BTD	IDalkyd765	Weg Oceano

(to be continued)

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Acrylic	25 05 21	Anti-corrosive	Interstores Alkyd Primer	Acri 700 Primer	Uniprime 20	Pioneer Primer	IDprime298	Weg Oceano Primer
	22	Finish Coating	Intersheen579	Acri 700 Finish	Nippon A-Marine Finish	Pioneer Topcoat	IDsurf679	Weg N 1197
Epoxy	25 10 61	Anti-corrosive	Interbond 201	Umegard SX	Neoguard 100	Epomarine EX500	IDepoprime 301	Wegdur HS
	62	Finish Coating	Intergard 740	Epicon Finish HB	Nippon E-Marine Finish M	Epomarine BTD	IDepoguard 840	Weg N 1198

### Engine Room Coating

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd	25 03 11	Anti-corrosive	Interstores Alkyd Primer	Roswan QD HB	Uniprime 20	SD Marine Build Primer	IDprime298	Weg Oceano Primer
	12	Finish Coating	Interlac 665	Evamarine	Nippon O-Marine Finish	SD Marine BTD	IDalkyd765	Weg Oceano
Acrylic	25 05 25	Anti-corrosive	Interstores Alkyd Primer	Acri 700 Primer	Uniprime 20	Pioneer Primer	IDprime298	Weg Oceano Primer
	26	Finish Coating	Intersheen579	Acri 700 Finish	Nippon A-Marine Finish	Pioneer Topcoat	IDsurf679	Weg N 1197
Epoxy	25 10 75	Anti-corrosive	Interbond 201	Umegard SX	Neoguard 100	Epomarine EX500	IDepoprime 301	Wegdur HS
	74	Finish Coating	Intergard 740	Epicon Finish HB	Nippon E-Marine Finish M	Epomarine BTD	IDepoguard 840	Weg N 1198

### Water Ballast Tank Coating

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Epoxy	25 10 97	Anti-corrosive	Interbond 808	CMP NOVA 2000	-	-	IDepoguard 503	Wet Surface 89 PW
	96	Finish Coating	Interbond 808	CMP NOVA 2000	-	-	IDepoguard 503	Wet Surface 89 PW
	25 10 97	Anti-corrosive	Interbond 808	CMP NOVA 2000	NOA 60 HS*	-	IDepoprime 908	Wet Surface 88 HT
	96	Finish Coating	Interbond 808	CMP NOVA 2000	-	-	IDepoprime 908	Wet Surface 88 HT
	25 10 97	Anti-corrosive	Intershield 300	Bannoh 1500	Uniprotector	NU Forte DX	IDshield 400	Weg Tar Free Plus
	96	Finish Coating	Intershield 300	Bannoh 1500	Uniprotector	NU Forte DX	IDshield 400	Weg Tar Free Plus

Remark\* NOA 60 HS\* - with SI (self-indicating) function

### Fresh Water Tank Coating

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Epoxy	25 10 85	Anti-corrosive	Interline 850	-	NOA FWT	-	IDtank950	Weg Fenoxi
	84	Finish Coating	Interline 850	Epicon T-500	-	-	IDtank950	Weg Fenoxi
	25 10 85	Anti-corrosive	Interline 925	-	NOA FWT	Epomarine FW100 Primer	IDtank1025	Lackpoxi AE
	84	Finish Coating	Interline 925	Cleankeep 5000	NOA FWT	Epomarine FW100 Topcoat	IDtank1025	Lackpoxi AE

**Heat Resistant Paint**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd Aluminium	25 12 03 04 (16 ltr) (4 ltr)	Up to 315°C	Intertherm 891	Silva Spar (Up to 150°C)	TETZSOL P-200 ECO/ TETZSOL 200 ECO (up to 200°C)	Thermo 400 Undercoat/Thermo 400 Silver Thermo 400 Undercoat/Thermo 400 Silver	IDalum991	WEG N 1259
Silicon Aluminium	25 12 05 06 (15 ltr) (4 ltr)	Up to 540°C	Intertherm 50	Silicon HR Primer (Up to 700°C) Silicon HR Silver (Up to 700°C)	TETZSOL P-500 ECO TETZSOL 500 ECO	Thermo 600 Undercoat/Thermo 600 Silver Thermo 600 Undercoat/Thermo 600 Silver	IDalum150	Termolack 57

**Galvanized Iron Primer**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Epoxy	25 12 11 12 (16.4 ltr) (3.3 ltr)	Primer	Interprime 539 Intergard 361	Galvanite No.200 Primer	Nippon E-Marine Primer Galva	Epomarine GX (18 kg)	IDprime639	Galweg

**Water Paint**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Vinyl Emulsion	25 12 15 16 17 (White 12.6 ltr) (Tint 12.6 ltr) 18 (Tint 2.8 ltr)	Finish	-	Swan HBL	Odemarine EPF	ASUKA II	-	-

**Engine Enamel Paint**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd	25 12 21 22 23 24 25 26 (White 20 ltr) (White 17.2 ltr) (White 3.4 ltr) (Colour 20 ltr) (Colour 17.2 ltr) (Colour 3.4 ltr)	Finish	Interlac 665	Evamarine	Nippon O-Marine Finish	SD Marine BTD	IDalkyd 765	Weg Oceano
Acrylic	25 12 27	Finish	Intersheen 579	Acri 700 Finish	Nippon A-Marine Finish	Pioneer Topcoat	IDSurf 679	Weg N 1197

**Non-Slip**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Sand	25 12 47	Finish	International GMA131	Non Skid Sand	Non-Slip Sand	Non Skid Sand	Rust Inhibitive Oil	Wegpoxi antiderapante 718

**Bituminous**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Bituminous	25 12 53 (Black 17.6 ltr) 54 (Black 4.4 ltr)	Finish	Intertuf 202	Bitumen Solution B	Bismatic Solution	-	IDprime 200	Weg Betuminoso

**Fluorescent Paint**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Luminous Paint (Orange)	25 12 71 (4 kg) 72 (1 kg)	Finish	Interlac 648 HXA027	Evasign Orange	-	-	IDalkyd748	-
Luminous Paint (Yellow)	25 12 73 (4 kg) 74 (1 kg)	Finish	Interlac 648 HXA026	Evasign Yellow	-	-	IDalkyd748 IDalkyd749	-
Luminous Paint (Red)	25 12 75 (4 kg) 76 (1 kg)	Finish	Interlac 648 HXA019	Evasign Red	-	-	IDalkyd748	-

**Varnish**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd	25 14 07	Varnish	Interlac 678 HVA022	-	-	Super Varnish	IDalkyd778	Weglack Oceano

**Thinner**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Alkyd	25 14 45	Thinner	GTA004	Marine Thinner	Nippon Marine Thinner 100	Thinner No. 2	Thinner104	-
Acrylic (Vinyl)	25 14 46	Thinner	GTA007	CR/Acri Thinner A Vinyl Thinner	Nippon Marine Thinner 200	Thinner No. 7	Thinner101	-
Epoxy	25 14 47	Thinner	GTA220	Epoxy Thinner A	Nippon Marine Thinner 600	Thinner No. 17	Thinner103	Diluente Epoxi
Urethane	25 14 48	Thinner	GTA713 GTA056	Urethane Thinner A	Nippon Marine Thinner 700	Thinner No.10	Thinner105	Diluente PU

**Putty**

Type of System	CODE	Kind of Paint	International Paint (Japan)	Chugoku Marine Paints (Japan)	Nippon Paint Marine Coatings (Japan)	Kansai Paint Marine (Japan)	Shanghai Leader Marine (China)	Nau LM Neffa-WEG (Brazil)
Epoxy	25 14 82	Putty	Intergard 821	Bondet Putty	Neoguard Bulcon	Nu Forte Barrier	IDepoguard 921	-

## Miscellaneous Paint

Pinturas Misceláneas 各種ペイント 油性树脂铝粉耐热漆

CODE	Description	Colour	Unit Per Can	
			Ltr	Kg

### Heat Resistant Paint

25 12 01	Oleoiresinous Aluminium	Metallic Silver	16.8	16.0
02			4.2	4.0
25 12 03	Alkyd Aluminium	"	16.0	16.0
04			4.0	4.0
25 12 05	Silicon Resin Aluminium	Silver	15.0	16.0
06			3.7	4.0

### Galvanized Iron Primer

25 12 11	Epoxy Ester Primer	Light Cream	16.4	20.0
12			3.3	4.0

### Water Paint

25 12 15	Polyvinyl Acetate Emulsion	White	12.6	16.0
16			2.8	4.0
17		Tint	12.6	16.0
18			2.8	4.0

### Engine Enamel

25 12 21	Alkyd Resin Paint	White	20.0	23.2
22			17.2	20.0
23			3.4	4.0
24		Colour as Specified	20.0	23.2
25			17.2	20.0
26			3.4	4.0

### Non-Slip, Non-Skid Paint

25 12 31	Alkyd Resin Non-Slip Deck Paint	Reddish Brown	20.0	24.6
32			16.3	20.0
33			20.0	24.6
34		Green	16.3	20.0
35			20.0	24.6
36			16.3	20.0
25 12 41	Alkyd Resin Non-Skid Deck Paint	Reddish Brown	20.0	28.0
42			17.9	25.0
43		Green	20.0	28.0
44			17.9	25.0
45		Grey	20.0	28.0
46			17.9	25.0

### Bituminous Paint

25 12 51	Bituminous Solution	Black	17.4	16.0
52			4.3	4.0
25 12 53	Bituminous Paint	Black	17.6	16.0
54			4.4	4.0

### Canvas Preserver

25 12 61	Water-Resistance and Anti-Corrosive Water Soluble Paint	White	-	25.0
62			-	5.0
63		Reddish Brown	-	25.0
64			-	5.0

### Paste Paint

25 12 66	White Lead Paste	-	-	12.5
67			-	5.0

(to be continued)

### Reflecting Paint

25 12 71	Luminous Paint (Fluorescent Paint)	Orange	-	4.0
72			-	1.0
73			-	4.0
74			-	1.0
75		Red	-	4.0
76			-	1.0
77			-	4.0
78			-	1.0

### Spray Marking Paint

25 12 81	Nitrocellulose Synthetic Resin Lacquer Enamel	White	400cc	-
82			300cc	-
83		Colour as specified	400cc	-
84			300cc	-

### Stain

25 12 91	Oil Stain	Wood Colour	-	4.0
92			-	1.0
93		Colour as specified	-	4.0
94			-	1.0

## Varnish, Oil, Etc.

Bariniz, Aceite, etc ニス、油脂類 清漆、油脂等

Unit Per Can

CODE	Description	Colour	Contents	
			Ltr	Kg
Varnish				
25 14 01	Copal Varnish for Interior Use	-	16.0	14.4
02		-	4.0	3.6
25 14 03	Spar Varnish for Exterior Use	-	16.0	14.4
04		-	4.0	3.6
25 14 05	Shellac Varnish	-		3.5
06		-		1.5

### Lacquer

25 14 11	Clear Lacquer	-	16.0	
12			4.0	
25 14 13	Enamel Lacquer	-	16.0	
14			4.0	

### Drier

25 14 21	Paint Liquid Drier	-	16.0	
22			4.0	

### Remover

25 14 31	Paint Remover	-	16.0	
32			4.0	
25 14 33	Varnish Remover	-	16.0	
34			4.0	

### Thinner

25 14 41	Paint Thinner	-	16.0	
42			4.0	
25 14 43	Lacquer Thinner	-	16.0	
44			4.0	

(to be continued)

CODE	Description	Colour	Unit Per Can	
			Ltr	Kg
<b>Linseed Oil</b>				
25 14 51 52	Boiled Linseed Oil	-	16.0	
			4.0	
25 14 53 54	Raw Linseed Oil	-	16.0	
			4.0	
<b>Turpentine</b>				
25 14 61 62	Turpentine in Tin "	-	4.0	
			18.0	
63	Turpentine in Drum	-	200	
<b>Fish Oil</b>				
25 14 66 67	Fine Fish Oil in Tin Fine Fish Oil in Drum	-	18.0	
			200	
<b>Putty</b>				
25 14 71 72	Marine Putty for use on Marine Paint	-	30.0	
			5.0	
73			1.0	
25 14 76 77	Common Putty for Use on Wood or Metal Sash, etc.	-	5.0	
			1.0	
25 14 81	Caulking Putty for Sealing Cable Duct, Wood, etc. in Tube	-		1.0

## Latest Fouling Control Coatings

Últimos recubrimientos antiincrustantes  
最新防汚塗料 最新汚垢控制涂料

### Intersleek 1100SR

Specifically designed to tackle the problem of slime on vessel performance, this innovation in the Intersleek range delivers outstanding micro and macro fouling control with better static resistance.



The new patented fluoropolymer in Intersleek®1100SR has been developed by enhancing the slime resistant polymer groups used in earlier generations of Intersleek®. The tailored surface chemistry of this new technology specifically influences and resists the adhesion and settlement of organisms that make up slime colonisation.

Intersleek® is biocide-free, which results in no leaching of biocides into the sea. This offers cost advantages at the next drydocking on waste treatment and disposal, plus enhanced environmental profile. Intersleek also has higher volume solids and lower required film thickness than SPC systems. Only a single full coat is required every five years through a vessels lifetime, therefore paint consumption is significantly reduced – further enhancing your environmental profile.

### Intercept 8500LPP

A high performance, low friction, linear polishing polymer (LPP) antifouling incorporating unique patented Lubyon® and silyl methacrylate technology.

This combination of polymer technologies, based upon years of experience and development, provides the basis for this performance improvement over existing products and, as a result, Intercept 8500 LPP gives the highest performance of all our biocidal antifoulings. The Lubyon polymer brings its unique Linear Polishing Polymer properties which ensure that the faster polishing rate is controlled in a consistent manner throughout the in-service period of up to 90 months.

Unlike typical silyl and metal acrylate biocidal antifoulings, Intercept® products replicate the linear polishing behaviour of previous tributyltin based antifoulings. Typical silyl acrylate based products polish slowly initially, thereafter the rate of polishing steadily increases. Whereas typical metal acrylate systems polish fast initially before reaching a steady state.

### Interfine 878

A patented high performance, high volume solids content acrylic polysiloxane cosmetic finish providing excellent long term durability. Interfine 878 significantly improves upon the gloss and colour retention exhibited by typical polyurethane finishes.

### Intershield 163 Inerta 160

Intershield 163 Inerta 160 is a proven, high performance abrasion resistant coating especially designed for ice going vessels.



Key system features include:

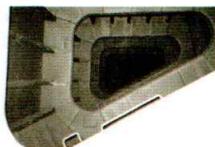
- Smooth surface assists ice slip
- Resists ice adhesion to the coatings surface
- Low frictional resistance controls fuel costs and improves operating efficiency
- Abrasion resistant - controls mechanical damage and hull roughness, saving on future maintenance and repair costs
- Up to 2.5 times the impact and erosion resistance of standard epoxies
- Designed for operation in temperatures down to -50°C (-58°F)

### Interbond 808

Designed primarily for WBTs for use on-board by riding squads or ship's crews, Interbond 808 is a light coloured, two pack epoxy particularly suited to repair at sea as it is both surface and damp tolerant.

### Intershield 300

A light coloured, abrasion resistant, aluminium pure epoxy coating giving excellent long term anticorrosive protection for cargo holds, WBT and all outside shell and low temperature application capability.



### Intershield 803Plus

An ultra high performance two pack abrasion resistant epoxy coating. Provides excellent protection against cargo abrasion and impact shooting damage caused by high speed belt conveyors, minimising mechanical damage and subsequent corrosion.

## Non-Slip Coatings

### for Floors, Ramps & Stairs

Revestimientos Anti-deslizantes para Suelos, RAMPAS y Escaleras  
すべり防止塗料 地板、斜面及樓梯的防滑涂料

Designed for application in slippery areas to make them safer for operation of personnel and rolling equipment. A heavy-duty safety coating that has excellent adhesion to metal, concrete and wood surfaces.



25 16 11 12	Non-slip coating, 1 gal. (3.8 ltr) Non-slip coating, 5 gal. (18.9 ltr)	Can "
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## Monolar Mastics

Masilla monolar 保冷用マスティック 隔热树脂

A tough, flexible, fire resistant finish for protection of thermal insulation. It is also used as a vapor barrier coating for fittings. Its vapor barrier properties and unusual film strength permit its use as one coat protective coating. It is excellent for indoor or outdoor use where chemical resistance and durability are required.



Unit Per Can

CODE	25 16 17
Type No.	Monolar mastic 60-90
Application	For cold insulation for trowel
Colour	White
Weight/can	20 kg

## Anti-slip Coating

Recubrimiento Anti-Deslizamiento  
床滑り止めコート剤 防滑剂

### Loctite® PC6261HDP (Big Foot Heavy Duty Pedestrian Grade)

Product No.96211/96261/36211/39020

For areas with heavy pedestrian or light rolling traffic. Ideal for ramps, walkways, locker rooms, stairs, and assembly areas. Black, Grey, Green and Yellow color is available.



Unit Per Can

CODE	Colour	Product No.	Contents
25 17 01	Black	96211	
02	Grey	96261	
03	Green	36211	
04	Yellow	39020	0.95 gallon

## Wearing Compounds

Compuestos Anti-Desgaste

耐磨耗剤標準微粒子グレード 化工涂料

### Loctite® PC7226PW (Nordbak 7226 Pneu-Wear)

Filled with small ceramic beads and silicone carbide for maximum protection against fine particle abrasion to 250°F. Trowelable.



Unit Per Can

CODE	Contents	Colour	Unit
25 17 05	1.36 kg	Grey	Kit
06	1 kg	Grey	Kit
09	10 kg	Grey	Can

### Loctite® PC7227/7228 (Brushable Ceramic)

Agente antidesgaste de alto rendimiento

高機能耐摩耗剤 標準コーティンググレード

高性能抗磨剤



Brushed on to form a smooth, corrosion-resistant coating. Protects against turbulence, abrasion, and cavitation. Can also be used as a topcoat over Loctite® Nordbak wearing compounds for surface rebuilding and lasting protection. Resists temperature up to +93°C (+200°F).

Unit Per Can

CODE	Product Name	Colour	Contents
25 17 11 12	7227	Grey	2 lb. 6 lb.
25 17 13 14	7228	White	2 lb. / 1 kg 6 kg

### Loctite® PC7117 (Nordbak Brushable Ceramic)

Agente antidesgaste de alto rendimiento

高機能耐摩耗剤

高性能抗磨剤



Brushable two-part epoxy that provides a high gloss, low friction coating to protect equipment from wear abrasion and corrosion. Improved abrasion resistance and chemical resistance compared to Loctite® 7227.

Unit Per Can

CODE	Contents	Colour
25 17 19 20	1 kg 6 kg	Dark grey

## Flooring & Grouts

### Loctite® PC7202 (Fixmaster)

Lechada Reparadora del Suelo

床補修剤耐圧縮性グレード

面漆



Self-leveling, fast-curing, non-shrinking grout. Outstanding chemical and vibration resistance and compressive strength to withstand maximum loads. Approved by all major classification societies, such as the American Bureau of Shipping.

Unit Per Can					
CODE	Colour	Contents	CODE	Colour	Contents
25 17 07	Green	3.8 ltr	25 17 10	Green	10 kg

## Rust Converter & Prevention

### Loctite® Extend SF7500 Rust Treatment

Capa de Protección 鋼転換剤 保護塗料

Converts existing rust (rust required) into a stable base. Cured product acts as a primer ready for painting with oil or solvent based paint. Protects surface from corrosion. Use on metal pipes, valves, fittings, outside surfaces of storage tanks, fences, guard rails, wrought iron furniture, conveyors, construction and agricultural equipment.



CODE	Contents	Colour	Unit
25 17 15	1 gallon	Milky White	Btl
25 17 16 17	5 gallon 1 ltr		Can

## StopStand Slip Protection Coating

Revestimiento de protección antideslizante StopStand

スリップ防止塗料  
防滑涂料



StopStand increases the safety in slippery areas. Especially on the deck or at stairs in engine rooms a good foothold is essential for the safety. StopStand guarantees highest safety standards. The highly non-slippery coating can be easily applied on the spot.

#### Product Benefits:

Increases the safety in slippery areas.

3-compound-coating including all components.

Easiest application through a notched trowel.

Unit Per Set			
CODE	Capacity	CODE	Capacity
25 17 26	5 kg	25 17 27	20 kg

Name of Mfr.: Diamant Metalplastic GmbH

## Anticorrosive ZAP Paste

Pasta ZAP anticorrosiva 防食 ZAP ベースト ZAP 防腐漆

An anticorrosive compound mixed weather-proof Butyl Rubber bonding material and a high purity zinc powder retained electrical conductivity. Suitable for steel surface protection of pipes, fittings, stairs, etc. It doesn't need to add any primer or solvent, and you can paint as soon as you finished surface preparation. It doesn't contain harmful toluene. Suitable temperature below 60 degree centigrade. The expecting durability is designed for 20 years after spreading.



Unit Per Pk.					
CODE	Contents	For	Applicable Space	Package	
25 17 61	0.6 kg	Caulking	Length 8 mtr	in cartridge	
62	1.6 "	Brush	1 m <sup>2</sup>	in tin	
63	8.4 "	Painting	5.3 m <sup>2</sup>	in tin	

Name of Mfr.: Mitsui Sumitomo Metal Mining Brass & Copper Col, Ltd.

## Anti-corrosion Zinc-Aluminium Paint DRALL

Pintura anticorrosiva zinc-aluminio

常乾型高濃度亜鉛末防食塗料

常温干燥高浓度锌粉防腐涂料



Made from zinc and aluminium flakes which realized superior anti-corrosion performance with only 30 µm film thickness for once coating. Besides the sacrificial anti-corrosion effects of zinc, aluminium also suppresses the oxidation of zinc through chemical reaction and forms stable film. Because it is single liquid type and has little metallic precipitate, it is easy to stir the liquid at the beginning of operation. Moreover, its low viscosity ensures easy coating.

#### Usage

- \* The touchup of products (bolt, nut) [Repair flaw after the treatment of anti-corrosion thin film DISGO and LAFRE].
- \* The repair of the rusted parts.
- \* The anti-corrosion treatment of the section and welding parts.
- \* The repair of the galvanized steel sheet section.
- \* The repair of leakage and rusted parts after hot dip galvanizing.

Painting area: 4 – 5 m<sup>2</sup>/kg (including 20% loss)

Unit Per Can			
CODE	25 17 64	25 17 65	25 17 66
Kg/Can	1 kg	5 kg	20 kg

Name of Mfr.: Nihon Ruspert Co., Ltd.

## Metal Pigment Coatings

Revestimiento A de pigmento metálico

金属顔料コート材

金属颜料涂料



Unit Per Can

CODE	Product	Content	Description
25 21 01 02	Brushable Zinc Coating	375 ml 750 ml	Excellent solution for touch up and corrosion protection of galvanized parts. Colour: approaching hot galvanizing. (Specific weight: 1.25 g/cm³)
25 21 03 04	Brushable Zinc Paint	375 ml 750 ml	Brushable liquid zinc paint assures durable and ideal corrosion protection for all metal surfaces. (Specific weight: 1.90 g/cm³)
25 21 05 06	Stainless Steel Paint	375 ml 750 ml	Stainless steel paint is a corrosion- and weathering-resistant surface coating based on metal pigments.
25 21 07 08	Aluminium Paint	375 ml 750 ml	Aluminium Paint is made on the basis of metal pigments and offers a high-quality and abrasion-resistant corrosion protection for all metal surfaces.
25 21 09 10 11	Corro-Protection	5 ltr 10 ltr 30 ltr	Forms a dry wax-like protective film which provides lasting protection of metal tools and precision parts for indoor storing and overseas shipment. TÜV approved.

Name of Mfr.: Weicon GmbH & Co. KG

## Ferryl Coatings

Capa anticorrosiva Ferryl

フェリルコーティング

防锈保护涂料



One-component coatings with superior elasticity when dry, providing long-term anticorrosive protection without cracking. Also known as "plastics" because of the plastic-like coating that is created.

CODE	Product No./Unit	Application
45 04 11	Ferryl 400R Anticorrosive White Coating 12 kg/drum	One-component product applied like paint. Flexible, non-cracking plastic-like coating. Used on non-rotating wires, standing rigging, rubber insulated electrical cables and (hydraulic) hoses.
45 04 12	Ferryl 401 Anticorrosive Transparent Coating 1 kg/tin	One-component product applied like paint. Flexible, non-cracking, plastic-like coating. For preservation of metals' original colour (steel, brass, bronze, copper). Also used as a wood varnish.
45 04 13	Ferryl 404 Dilution & Cleaning Liquid 10 ltr/drum	Solvent for cleaning and dilution of the Ferryl coatings. Used as a general thinner.
45 04 17	Ferryl 502 Anticorrosive Fluorescent Coating 1 kg/tin	One-component product applied like paint. Fluorescent orange-red colour. Flexible, non-cracking, plastic-like coating. Used for safety applications (life-saving equipment, warnings, bridge, low beams / steps).
45 04 15	Ferryl 505 Anticorrosive Fluorescent Coating 1 kg/tin	One-component product applied like paint. Fluorescent yellow colour. Flexible, non-cracking, plastic-like coating. Used for high visibility marking applications (stairs, walkways, zone markings).

Name of Mfr.: Ferryl Sales Limited.

## Rust Converting Latex Primer

Imprimación de Látex Anti-corrosivo

サビ転換型防錆塗料 溶成型乳胶底漆

A water based chemical rust converter which converts the rust to magnetite, creating a non-rusting metallic barrier layer on the steel.



Requires less preparation time and cost as it is not necessary to remove the rust completely before application.

25 99 06	Rust converting latex primer Corroseal 5 gal/can	Can
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Name of Mfr.: Corroseal Inc.

## General Painting Instruction to Ship's Crew

Instrucciones generales de pintura 一般的の塗装指導 一般绘画指导

### Surface preparation

It is vitally important to prepare all surfaces sufficiently before painting, paying particular attention to ferrous metals. Rust and millscale must be removed by efficient scraping or vigorous wire brushing. When recoating over old paint, the surface must be free from soil, grease oil, and salt water deposits.



In the case there are salt water deposits on the surface, they are most easily removed by washing with water and common soda and then washing the surface clean again with fresh water and allowing the surface to dry completely.

Without these simple precautions the paint will not adhere well and will result in peeling and the need for subsequent recoatings.

### Selecting the right paint specification or process

Care must be taken to ensure that the correct painting process is adopted. For example, it would be fatal to apply a slow drying oil base and heavily pigmented primer with the intention of finishing with a modern synthetic product, surface tension would quickly encourage film cracks and peeling. Therefore, always keep to the same system following carefully the manufacturer's recommendation.



### Stir the paint well before use

Even today, with all the advantages of science and technology, a large number of paint failures are occasioned by not stirring the paint before use. Good pigment dispersion prevents heavy deposits sinking and lying on the bottom of the can or drum, but the medium and the pigment will, to some extent, settle out without severe sinkage: this encourages users to apply the paint without careful stirring. Technical failures experienced by not allowing adequate stirring are inconsistent gloss for enamels, poor coverage performance or early film failure.



### Give the surface the right pre-treatment to re-painting

Prior to re-painting, all old loose paint should be scraped off. Rust dots, if any, should be removed with a steel brush. Rust-scraping must be done to the point where the paint has good adhesion to the iron. Make sure that no rust has penetrated down under the old paint. Also make sure that there are no cracks in the old paint. Should there be any, they must be scraped and brushed down to the iron. Undamaged areas of the old paint need not be removed, but the old film should be washed with a common soda solution, and then rinsed according to the directions in surface preparation.



### Adapt the priming to the finish required

Always bear in mind that the glossier the surface, the more important it is to ensure the proper preparation of that surface; for the least unevenness will be magnified on a high gloss surface.



### **Ships bottom (underwater area)**

After the careful removal of marine life from the heel by scraping and rinsing, be sure to remove all millscale and rust pitted areas. It may be necessary to chip and scrape all corroded parts to get a clean painting surface. Be sure to let the surface dry thoroughly before any coating is applied.



In spots where rust is exposed during the preparation, it is important to "coat in" these areas with an anti corrosive composition, followed by the application of one or more coats of anti fouling to a grade suitable for the ships service life.

### The belt

Special attention must be paid to this vital area of the vessel, which is normally contaminated with oil and grease from continuous harbour pollution. It is most important to clean this area off, using a suitable cleaning agent or detergent. The preparation as suggested in the foregoing paragraph should be followed through.



### Topside and superstructure

When dealing with the maintenance of the Topside and Superstructure, it is most essential to remove salt water deposits and to comply very carefully to the instructions as laid down in the points illustrated in our General Painting Instructions for the Guidance of Ships' Crew.



### Decks

After carefully preparing steel decks and following the principles laid down in the General Painting Instructions, it is important to apply a good rust preventive primer prior to the application of the Deck Paint.



### Main engines and machinery

Where re-painting is to be considered, special attention must be paid to adequately cleaning the surface and making it free from oil and grease deposits before re-coating is attempted.



### Marine Paint Comparison Table by Paint Material

Mfr's Name	Kansai Paint Marine (Japan)	Sigma Shinto Coatings (Japan)	Nippon Paint Marine Coatings (Japan)	International Paint (Japan)
<b>Shop Primer Coating</b>				
	Metalact H-15, Metalact H-5, SD Zinc 1000HA (S)	SigmaWeld 165, SigmaWeld 199	Nippon Ceramo, Nippon Ceramo T/U	Interplate Zero, Interplate 997, Interplate 937
<b>Hull Outside (AF), Exposed Deck, Superstructure (Upper) Coating</b>				
<b>Oleoresinous Paint</b>				
Deck, Hold, or Upper AC (Primer)	SD Marine BTD, SD Marine Build Primer	Sigmarine 21, Sigmarine 24, Sigmarine 28	Nippon O-Marine Primer, Uniprime 20, Nippon O-Marine Finish, Nippon O-Marine Finish 300S	Interstores Alkyd Primer, Interlac 678 (Alkyd Varnish)
Deck & Hold (Finish)	-	Sigmarine 48, Sigmarine 49	Nippon O-Marine Finish	Interlac 665
Superstructure Inside & Others (Upper) (Finish)	-	Sigmarine 48, Sigmarine 49, Sigma Vikote 56	Nippon O-Marine Finish	Interlac 665
<b>Vinyl Paint</b>				
	QD AC HB, Universal Primer, Vinylia BTM(P)	Sigma Vikote 15	-	Intertuf 203, Interprime 539
<b>Chlorinated Rubber Paint</b>				
	Rabamarine BTD, Rabamarine Primer HB, C-Ruban AC HB	Sigma Vikote 18	-	-
<b>Acrylic Paint</b>				
	Pioneer Topcoat	Sigma Vikote 46, Sigma Vikote 56	Uniprime AC, Uniprime 20, Nippon A- Marine Finish, Neoguard 10	Interstores Alkyd Primer, Intersheen 579
<b>Epoxy Paint</b>				
		SigmaPrime 200, SigmaCover 280, SigmaCover 435, SigmaCover 456, SigmaShield 220, SigmaShield 420	-	-
<b>Epoxy Paint Two-component</b>				
	Epomarine GX, Epomarine BTD, Epomarine AC (M)	-	Nippon E-Marine 400, Nippon E-Marine 400 HS, NOA 10 F, NOA 10 M, NOA A/C II, NOA A/C II LT, Uniprime 100, Neoguard 100, Neoguard 100 GF	Intergard 821, Intergard 740, Intershield 803, Interbond 201, Intertuf 262, Intergard 263, Intergard 269, Intershield 300
<b>Two-pack Pure Epoxy Primer</b>				
	-	-	Uniprotector, Nippon E-Marine Primer, Nippon E- Marine Primer GF, Nippon E-Marine Finish M	Intershield 300, Intershield 803
<b>Modified Epoxy Paint</b>				
	Epomarine EX500, Primastic, Jotamastic 87, Jotamastic 87 Aluminium, Jotamastic Universal, NU Forte	SigmaCover 435, SigmaCover 456	-	Interbond 201 Intertuf 262
<b>Special (Unique) Epoxy Paint</b>				
	Devran 237, NU Forte Barrier	-	Iceban 1600, NOA 60 HS, NOA 60 HS-LT	Intershield 163, Inerta 160, Interbond 808, Intershield 803, Intershield 300, Intershield 803 Plus

(to be continued)

Mfr's Name	Kansai Paint Marine (Japan)	Sigma Shinto Coatings (Japan)	Nippon Paint Marine Coatings (Japan)	International Paint (Japan)
<b>Tar Epoxy Paint</b>				
	-	SigmaCover 300, SigmaCover 510	-	-
<b>Polyurethane Paint</b>				
	-	SigmaDur 550	Nippon U-Marine Finish	Interthane 990
<b>Inorganic Zinc Paint</b>				
	-	SigmaZink 158, SigmaGuard 750	Nippon Z-Marine 1000 QC S	Interzinc 22
<b>Zinc Rich Primer</b>				
	SD Zinc 100QD, SD Zinc 500, SD Zinc 1500A		Nippon Z-Marine 8000 MHB	Interzinc 22, Interzinc 52
<b>Long Life Anti-Fouling Paint</b>				
	Takata Quantum FB, Takata Quantum Ultra, Takata Quantum Classic, Takata Quantum Plus, Takata Quantum LLL, Takata Quantum LLL FB	Sigma Ecofleet 290, Sigma Ecofleet 530, Sigma Alphagen 240, Sigma Alphagen 650, Sigma Alpharin 210, Sigma Glide 790, Sigma Glide 890	Ecoloflex SPC 250 HyB, Ecoloflex SPC 150 HyB, Ecoloflex SPC 200 Z, Ecoloflex SPC 200 K, Ecolosilk, Ecolosilk Tie-Coat	Interswift 6800, Intersmooth 360SPC, Intersmooth 7460SPC, Intersmooth 7465SiSPC, Intersmooth 7475SiSPC, Interspeed 6200, Interspeed 6400
<b>Anti-Abrasion (Abrasion Resistant) Paint</b>				
	Flakeguard Primer, Flakeguard No.3000	SigmaShield 220, SigmaShield 420	Uniprotector, NOA 10 F	Intershield 300, Intershield 163, Inerta 160, Intershield 803, Intershield 803 Plus, Interzone 1000
<b>Tank &amp; Heavy Duty (Protective) Coating</b>				
<b>Epoxy Paint</b>				
	Epomarine PC100 Primer, Epomarine PC100 Topcoat, Epomarine FW100 Primer, Epomarine FW100 Topcoat	SigmaGuard 425, SigmaGuard CSF 650, SigmaGuard CSF 575, SigmaGuard CSF 585, SigmaGuard 720, SigmaGuard 790, SigmaGuard 240, SigmaGuard 440, SigmaPhenguard 930, SigmaPhenguard 935, SigmaPhenguard 940, SigmaGuard 795	NOA 60 HS, NOA 60 HS-LT, NOA FWT, NOA 1000 FWT SF, NOA PC, Uniprime 100, Neoguard Bulcon, Nippon E-Marine A/C, Nippon E-Marine A/C II	Interbond 808, Intershield 300, Interline 904, Interline 704, Interline 925, Interline 850
<b>Modified Epoxy Paint</b>				
	Epomarine AC (M), Epomarine EX600, NU Forte DX	-	-	-
<b>Tar Epoxy Paint</b>				
	-	SigmaCover 300	-	-
<b>Inorganic Zinc Paint</b>				
	-	-	-	Interline 104
<b>Glass Flake Mastic Paint</b>				
	Flakeguard Primer, Flakeguard No.3000	SigmaShield 905, SigmaShield 460	Neoguard 100 GF, Nippon E-Marine Primer GF	Interzone 1000
<b>Miscellaneous Coating</b>				
<b>Heat Resistant Paint</b>				
	Aluminium Paint H.R., Termo 300 Primer, Termo 300 Silver, Termo 600 Primer, Termo 600 Silver	SigmaTherm 175, SigmaTherm 500	Tetzsol P-200 ECO, Tetzsol 200 Silver, Tetzsol 200 ECO, Tetzsol P-500 ECO, Tetzsol 500 ECO, Tetzsol M Primer	Intertherm 891, Intertherm 50
<b>Aluminium Paint</b>				
	Aluminium Paint H.R.	-	Nippon O-Marine Finish 300 S	Intertherm 891
<b>Fluorescent Paint</b>				
	-	-	-	Interlac 648
<b>AF for Propeller</b>				
	-	-	-	Intersleek 1100SR