



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

INTRODUCTION

Wattyl Industrial Coatings has a wide range of Protective and Marine Coating products that may be used in combination to make hundreds of different coating systems. This guide is designed to assist in the selection of the correct coating system for your application by providing Wattyl Industrial Coatings' most common coating systems for typical substrates and exposure environments.

System selection is a function of: exposure environment, expected life, substrate material, substrate condition, previous coating (if present), surface preparation method, application method, application conditions and structure design.

Correct surface preparation is critical to the longevity of any coating system. For details of surface preparation methods refer to the surface preparation sections (I-10 to I-14) of the Wattyl Protective and Marine Coatings Manual along with the appropriate Australian Standards. For further assistance with system selection for a specific project please contact your local Wattyl Industrial Coatings Sales Representative or contact Valspar Customer Service on 132 101.

INDEX

PROTECTIVE SYSTEMS - ATMOSPHERIC	2
MILD STEEL - MILD ATMOSPHERIC ENVIRONMENT (VERY LOW CORROSIVITY)	2
MILD STEEL - MODERATE ATMOSPHERIC ENVIRONMENT (LOW CORROSIVITY)	3
MILD STEEL - TROPICAL ATMOSPHERIC ENVIRONMENT (MEDIUM CORROSIVITY)	4
MILD STEEL - MARINE ATMOSPHERIC ENVIRONMENT (HIGH CORROSIVITY)	5
MILD STEEL - SEVERE MARINE ATMOSPHERIC ENVIRONMENT (VERY HIGH CORROSIVITY)	7
MILD STEEL - WET ABRASIVE BLAST OR HYDROJET SURFACE PREPARATION	8
GALVANISED STEEL, ALUMINIUM OR FIBRE GLASS	9
CONCRETE - DECORATIVE SYSTEMS (excluding floors)	9
ANTIGRAFFITI SYSTEMS- MASONARY SUBSTRATES	10
ANTIGRAFFITI SYSTEMS- PREVIOUSLY PAINTED SUBSTRATES	10
ANTIGRAFFITI SYSTEMS- COLORBOND®, ALUMINIUM, GALVANISED STEEL	11
PROTECTIVE SYSTEMS - IMMERSION	11
MILD STEEL - FRESH/SEA WATER IMMERSION	11
MILD STEEL - WASTEWATER IMMERSION	11
MILD STEEL - TANK LINING (POTABLE WATER AND SELECTED CHEMICALS*)	12
PROTECTIVE SYSTEMS - HEAT AND CHEMICAL RESISTANT	13
MILD STEEL - HEAT RESISTANT SYSTEMS	13
MILD STEEL - CHEMICAL RESISTANT SYSTEMS - FOR RESISTANCE TO SPLASH OF ACIDIC/ALKALINE LIQUIDS	13
PROTECTIVE SYSTEMS - FLOORING	14
FLOORING SYSTEMS - MILD STEEL	14
FLOORING SYSTEMS - GALVANISED STEEL	14
FLOORING SYSTEMS - CONCRETE	15
MARINE SYSTEMS - UNDERWATER HULL	16
UNDERWATER HULL - NEW BUILDING STEEL	16
UNDERWATER HULL - NEW BUILDING ALUMINIUM	17
UNDERWATER HULL - NEW BUILDING FIBREGLASS	18
UNDERWATER HULL - NEW BUILDING TIMBER	19
MARINE SYSTEMS - DECKS	20
DECKS - NEW BUILDING STEEL	20
DECKS - NEW BUILDING ALUMINIUM	21
DECKS - NEW BUILDING FIBREGLASS	22
DECKS - NEW BUILDING TIMBER	22
MARINE SYSTEMS - TOPSIDE	23
TOPSIDE/SUPERSTRUCTURE/WHEEL HOUSE/ACCOMMODATION - NEW BUILDING STEEL	23
TOPSIDE/SUPERSTRUCTURE/WHEEL HOUSE/ACCOMMODATION - NEW BUILDING ALUMINIUM	24
TOPSIDE/SUPERSTRUCTURE/WHEEL HOUSE/ACCOMMODATION - NEW BUILDING FIBREGLASS	24
TOPSIDE/SUPERSTRUCTURE/WHEEL HOUSE/ACCOMMODATION - NEW BUILDING TIMBER	25
MARINE SYSTEMS - INTERNAL	25
INTERNAL COATING SYSTEMS- CARGO HOLD - DRY- NEW BUILDING STEEL	25
INTERNAL COATING SYSTEMS- TANKS - BALLAST AND VOID SPACES- NEW BUILDING STEEL	26
INTERNAL COATING SYSTEMS- CHAIN LOCKER- NEW BUILDING STEEL	26
INTERNAL COATING SYSTEMS- ENGINE ROOM- NEW BUILDING STEEL	27



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

PROTECTIVE SYSTEMS - ATMOSPHERIC

MILD STEEL - MILD ATMOSPHERIC ENVIRONMENT (VERY LOW CORROSIVITY)

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Power tool clean Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Power tool clean to AS1627.2 Class 2 (min.)					
8050	1	P33.03	Epinamel DTM985	150	Single coat, surface tolerant, epoxy mastic. Excellent corrosion resistance. Full AS2700 colour range available.
7002	1	P10.03	Duranamel PR9	75	Economical alkyd system with a full gloss finish. Wide colour offer available.
	2	P11.02	Duranamel BR22	35	
	3	P11.02	Duranamel BR22	35	
Abrasive Blast Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
7003	1	P42.02	Galvit ES600	75	Single coat, zinc rich ethyl silicate primer/finish for excellent protection of steel. Approved to APAS2908, APAS2973, A3750.15 Type 4
7004	1	P42.01	Galvit ES510	75	Single coat, zinc rich ethyl silicate primer/finish for excellent protection of steel. More economical than Galvit ES600 system, due to lower zinc content. Approved to APAS2908
7005	1	P30.01	Epinamel PR250	75	Highly durable epoxy/polyurethane system with a hard wearing, high gloss finish. Full AS2700 colour range available.
	2	P50.01	Poly U400	50	
7006	1	P30.01	Epinamel PR250	75	High build, highly durable epoxy/polyurethane system with a hard wearing, gloss finish. Full AS2700 colour range available.
	2	P51.02	Poly U750	100	



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

MILD STEEL - MODERATE ATMOSPHERIC ENVIRONMENT (LOW CORROSIVITY)

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Power tool clean					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Power tool clean to AS1627.2 Class 2 (min.)					
8094	1	D2.13	Master Prep Metal Primer	33	Medium build, gloss alkyd system with alkyd metal primer. Brush and roll system. Wide colour offer available.
	2	P11.02	Duranamel BR22	35	
	3	P11.02	Duranamel BR22	35	
7008	1	P30.01	Epinamel PR250	100	Highly durable epoxy/polyurethane system with a hard wearing, high gloss finish. Full AS2700 colour range available.
	2	P50.01	Poly U400	50	
7009	1	P30.01	Epinamel PR250	100	High build, highly durable epoxy/polyurethane system with a hard wearing, gloss finish. Full AS2700 colour range available.
	2	P51.02	Poly U750	100	
8051	1	P33.03	Epinamel DTM985	200	Single coat, surface tolerant, epoxy mastic. Excellent corrosion resistance. Full AS2700 colour range available.
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
7011	1	P30.01	Epinamel PR250	100	Highly durable epoxy/polyurethane system with a hard wearing, high gloss finish. Full AS2700 colour range available.
	2	P50.01	Poly U400	50	
7012	1	P30.01	Epinamel PR250	100	High build, highly durable epoxy/polyurethane system with a hard wearing, gloss finish. Full AS2700 colour range available.
	2	P51.02	Poly U750	100	
8052	1	P33.03	Epinamel DTM985	200	Single coat, surface tolerant, epoxy mastic. Excellent corrosion resistance. Full AS2700 colour range available.
7015	1	P41.02	Galvit EP102	50	A high build, full epoxy system with a zinc rich primer for long lasting protection.
	2	P31.01	Epinamel EB600	150	



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

MILD STEEL - TROPICAL ATMOSPHERIC ENVIRONMENT (MEDIUM CORROSIVITY)

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Power tool clean					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Power tool clean to AS1627.2 Class 2 (min.)					
7016	1	P30.01	Epinamel PR250	75	High gloss epoxy/polyurethane system with very good durability. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	100	
	3	P50.01	Poly U400	50	
7017	1	P30.01	Epinamel PR250	75	Gloss, high build, epoxy/polyurethane system with very good durability. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	100	
	3	P51.02	Poly U750	100	
7018	1	P30.01	Epinamel PR250	75	High build, epoxy system with long-term recoatability and curing at low temperatures. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	150	
8053	1	P33.03	Epinamel DTM985	150	High build, high solids, epoxy mastic system, excellent anticorrosive performance. Full AS2700 colour range available.
	2	P33.03	Epinamel DTM985	150	
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
7020	1	P30.01	Epinamel PR250	200	Highly durable system with a hard wearing, high gloss finish. Full AS2700 colour range available.
	2	P50.01	Poly U400	50	
7021	1	P42.01	Galvit ES510	75	A high gloss finish, zinc rich ethyl silicate/epoxy/polyurethane system for best anticorrosive protection. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	100	
	3	P50.01	Poly U400	50	
8054	1	P33.03	Epinamel DTM985	150	High build, high solids, epoxy mastic system, excellent anticorrosive performance. Full AS2700 colour range available.
	2	P33.03	Epinamel DTM985	150	
7023	1	P30.01	Epinamel PR250	75	High build, epoxy system with long-term recoatability and curing at low temperatures. AS2700 colour range available.
	2	P31.01	Epinamel EB600	150	
7024	1	P30.01	Epinamel PR250	150	High build, highly durable system with a hard wearing, gloss finish. Full AS2700 colour range available.
	2	P51.02	Poly U750	100	
7025	1	P41.02	Galvit EP102	50	An epoxy zinc/epoxy/polyurethane system for excellent durability and protection. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	125	
	3	P50.01	Poly U400	50	



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

MILD STEEL - MARINE ATMOSPHERIC ENVIRONMENT (HIGH CORROSIVITY)

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Power tool clean					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Power tool clean to AS1627.2 Class 2 (min.)					
8055	1	P33.03	Epinamel DTM985	300	A high build, surface tolerant epoxy mastic, high gloss polyurethane system with excellent anticorrosive performance. Full AS2700 colour range available.
	2	P50.01	Poly U400	50	
8056	1	P33.03	Epinamel DTM985	250	A high build, surface tolerant epoxy mastic, high build gloss polyurethane system with excellent anticorrosive performance. Full AS2700 colour range available.
	2	P51.02	Poly U750	100	
8057	1	P30.01	Epinamel PR250	75	A high build, high solids, epoxy system with micaceous iron oxide finish coat for excellent corrosion protection.
	2	P33.03	Epinamel DTM985MIO	325	



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

MILD STEEL - MARINE ATMOSPHERIC ENVIRONMENT (HIGH CORROSIVITY) (continued)

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth.					
Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
8058	1 2	P33.03 P50.01	Epinamel DTM985 Poly U400	300 50	A high build, surface tolerant epoxy mastic, high gloss polyurethane system with excellent anticorrosive performance. Full AS2700 colour range available.
8059	1 2	P33.03 P51.02	Epinamel DTM985 Poly U750	250 100	A high build, surface tolerant epoxy mastic, high build gloss polyurethane system with excellent anticorrosive performance. Full AS2700 colour range available.
8060	1 2 3	P41.02 P33.03 P50.01	Galvit EP102 Epinamel DTM985MIO Poly U400	50 200 50	A high build, high gloss, high solids epoxy micaceous iron oxide system with a zinc rich primer for excellent corrosion protection. Full AS2700 colour range available.
8061	1 2 3	P41.02 P33.03 P51.02	Galvit EP102 Epinamel DTM985MIO Poly U750	50 150 100	A high build, gloss, high solids epoxy micaceous iron oxide system with a zinc rich primer for excellent corrosion protection. Full AS2700 colour range available.
8062	1 2	P41.02 P33.03	Galvit EP102 Epinamel DTM985MIO	50 200	A high build, high solids epoxy micaceous iron oxide system with a zinc rich primer for excellent corrosion protection.
8063	1 2 3	P42.01 P33.03 P50.01	Galvit ES510 Epinamel DTM985 Poly U400	75 200 50	A highly durable, high gloss polyurethane finish with zinc rich primer and high solids epoxy buildcoat. Excellent long term performance. Full AS2700 colour range available.
8064	1 2 3	P42.01 P33.03 P51.02	Galvit ES510 Epinamel DTM985 Poly U750	75 150 100	A highly durable gloss polyurethane finish with zinc rich primer applied over a high solids epoxy buildcoat. Excellent long term performance. Full AS2700 colour range available.
8065	1 2	P42.01 P33.03	Galvit ES510 Epinamel DTM985	75 200	A high build, high solids epoxy with a zinc rich ethyl silicate primer. Full AS2700 colour range available.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

MILD STEEL - SEVERE MARINE ATMOSPHERIC ENVIRONMENT (VERY HIGH CORROSIVITY)

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Power tool clean					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Power tool clean to AS1627.2 Class 2 (min.)					
8066	1 2	P33.03 P50.01	Epinamel DTM985 Poly U400	300 50	A high build, surface tolerant epoxy mastic, high gloss polyurethane system with excellent anticorrosive performance. Full AS2700 colour range available.
8067	1 2	P33.03 P51.02	Epinamel DTM985 Poly U750	250 100	A high build, surface tolerant epoxy mastic, high build gloss polyurethane system with excellent anticorrosive performance. Full AS2700 colour range available.
8068	1 2	P30.01 P33.03	Epinamel PR250 Epinamel DTM985MIO	75 325	A high build, high solids, micaceous iron oxide epoxy system for excellent corrosion protection.
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
8069	1 2 3	P30.01 P33.03 P50.01	Epinamel PR250 Epinamel DTM985 Poly U400	75 250 50	A high build, high solids epoxy/high gloss polyurethane system for excellent corrosion protection. Full AS2700 colour range available.
8070	1 2 3	P30.01 P33.03 P51.02	Epinamel PR250 Epinamel DTM985 Poly U750	75 200 100	A high build, high solids epoxy/gloss polyurethane system for excellent corrosion protection. Full AS2700 colour range available.
8071	1 2	P33.03 P33.03	Epinamel DTM985 Epinamel DTM985	200 200	A high build, high solids, surface tolerant, epoxy mastic system. Excellent corrosion resistance. Full AS2700 colour range available.
8072	1 2 3	P41.02 P33.03 P51.02	Galvit EP102 Epinamel DTM985MIO Poly U750	50 200 100	A high build, high solids epoxy micaceous iron oxide, gloss polyurethane system with a zinc rich primer for excellent corrosion protection. Full AS2700 colour range available.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

MILD STEEL - WET ABRASIVE BLAST OR HYDROJET SURFACE PREPARATION

- FOR MILD, MODERATE, TROPICAL, INDUSTRIAL AND MARINE ATMOSPHERIC ENVIRONMENTS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
<p>Pretreatment Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Followed by either: Wet abrasive blast Wet abrasive blast clean the surface to remove all millscale, rust, old paint and achieve a surface similar to AS1627.4 Class 2½. Flash rusting will occur almost immediately. High pressure water wash using clean and fresh water to remove all blasting residue. Allow all surfaces to dry before painting. <u>or</u> Ultra high pressure water jet Ultra high pressure water jet (UHPWJ) >170 MPa (>25,000 psi) the surface using fresh and clean water to remove all millscale, rust, old paint and achieve a surface similar to AS1627.4 Class 2½. Flash rusting will occur almost immediately. Allow all surfaces to dry before painting.</p>					
8073	1	P30.01	Epinamel PR250	75	A high build, high gloss polyurethane system with very good durability. Full AS2700 colour range available.
	2	P33.03	Epinamel DTM985	250	
	3	P50.01	Poly U400	50	
8074	1	P30.01	Epinamel PR250	75	A high build, gloss polyurethane system with very good durability. Full AS2700 colour range available.
	2	P33.03	Epinamel DTM985	200	
	3	P51.02	Poly U750	100	
8075	1	P30.01	Epinamel PR250	75	A high build, high solids epoxy system with excellent corrosion protection.
	2	P33.03	Epinamel DTM985	300	



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

GALVANISED STEEL, ALUMINIUM OR FIBRE GLASS - MILD, MODERATE, TROPICAL, INDUSTRIAL AND MARINE ATMOSPHERIC ENVIRONMENTS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Pretreatment Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth (where applicable). Follow by the surface preparation for the appropriate substrate, refer below: GALVANISED STEEL - Lightly abrasive blast using an inert grit to achieve a roughened, uniform flat appearance over the entire surface. Do not disturb zinc layer during blasting. ALUMINIUM - Either lightly abrasive blast clean using an inert grit to achieve a uniform, flat appearance over the entire surface; or mechanically abrade the entire surface using 80 grit paper/disc. FIBRE GLASS - Mechanically abrade the entire surface using 80 grit paper/disc.					
7046	1 2 3	P10.02 P11.02 P11.02	Duranamel PR7 Etch Duranamel BR22 Duranamel BR22	20 35 35	A medium build, single pack etch primer with a gloss alkyd finish. Wide colour offer available. Suitable for mild exposure environments only.
8076	1 2 3	P30.01 P33.03 P50.01	Epinamel PR250 Epinamel DTM985 Poly U400	75 250 50	High build, gloss polyurethane system with excellent durability. Full AS2700 colour range available. Suitable for all exposure environments.
8077	1 2 3	P30.01 P33.03 P51.02	Epinamel PR250 Epinamel DTM985 Poly U750	75 200 100	High build, gloss polyurethane system with excellent durability. Full AS2700 colour range available. Suitable for all exposure environments.
7049	1 2	P30.01 P50.01	Epinamel PR250 Poly U400	75 50	Highly durable system with a hard wearing, high gloss finish. Full AS2700 colour range available. Suitable for mild and moderate exposure environments.
7050	1 2	P30.01 P51.02	Epinamel PR250 Poly U750	75 100	High build, highly durable system with a hard wearing, gloss finish. Full AS2700 colour range available. (Suitable for mild and moderate exposure environments.)

CONCRETE - DECORATIVE SYSTEMS (excluding floors) - FOR MILD, MODERATE, TROPICAL, INDUSTRIAL AND MARINE ATMOSPHERIC ENVIRONMENTS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Pretreatment New concrete shall be at least 28 days old prior to application of coating system. Remove all surface contaminants (including bond breakers and curing agents) followed by <u>either</u> : Abrasive blast Abrasive blast to remove all laitance and other surface contaminants. Ensure the concrete moisture content is less than 4%; or Acid etch Acid etch the surface using a solution of hydrochloric acid. Rinse the surface with copious quantities of clean, fresh water to remove all of the acid residue. Allow the concrete to dry. Ensure the concrete moisture content is less than 4%.					
7051	1 2 3	P32.01 P32.02 P32.02	Epinamel CP502 Epinamel CF602 Epinamel CF602	35 35 35	Epoxy gloss system for simplified on-site application. Full AS2700 colour range available.
7052	1 2	P32.01 P31.01	Epinamel CP502 Epinamel EB600	35 100	A highly durable medium solids epoxy satin system. Full AS2700 colour range available.
7053	1 2	P32.01 P51.02	Epinamel CP502 Poly U750	35 100	High build, highly durable system with a hard wearing, gloss polyurethane finish. Full AS2700 colour range.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

ANTIGRAFFITI SYSTEMS- MASONRY SUBSTRATES - FOR MILD, MODERATE AND TROPICAL ATMOSPHERIC ENVIRONMENTS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
<p>Substrates Concrete, concrete block, fibre cement sheet, brickwork</p> <p>Pretreatment New concrete shall be at least 28 days old prior to application of coating system. Remove all surface contaminants (including bond breakers and curing agents) followed by <u>either</u>:</p> <p>Abrasive blast Abrasive blast to remove all laitance and other surface contaminants. Ensure the concrete moisture content is less than 4%; <u>or</u></p> <p>Acid etch Acid etch the surface using a solution of hydrochloric acid. Rinse the surface with copious quantities of clean, fresh water to remove all of the acid residue. Allow the concrete to dry. Ensure the concrete moisture content is less than 4%.</p>					
7089	1	D9.18	Sunfast Gloss	35	Coloured gloss antigraffiti system. Graffiti removal by solvent wash or with a graffiti removal agent. Full colour range available.
	2	D9.18	Sunfast Gloss	35	
	3	P50.03	Poly U400 Antigraffiti Clear	30	
	4	P50.03	Poly U400 Antigraffiti Clear	30	
7090	1	P50.03	Poly U400 Antigraffiti Clear	30	Clear antigraffiti system. Graffiti removal by solvent wash or with a graffiti removal agent. (Suitable for bare concrete and brickwork only. Multiple coats may be required to achieve antigraffiti properties depending on the porosity of the substrate.)

ANTIGRAFFITI SYSTEMS- PREVIOUSLY PAINTED SUBSTRATES - FOR MILD, MODERATE AND TROPICAL ATMOSPHERIC ENVIRONMENTS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
<p>Previous suitable coatings Wattyl Poly U400, Poly U750 and Paracryl solid colours and Metallics, Wattyl Sunfast® and Wattyl Interior Design I.d® (for interior use)</p> <p>Pretreatment Previous suitable coat must be intact, dry and free from chalking and contamination and sufficiently roughened if necessary. Oil and grease should be removed from all surfaces in accordance with AS 1627.1 solvent cleaning All previous coatings must be well cured before application of Poly U400 Antigraffiti Clear.</p>					
7091	1	P50.03	Poly U400 Antigraffiti Clear	30	Antigraffiti system for internal and external use. Graffiti removal by solvent wash or with a graffiti removal agent.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

ANTIGRAFFITI SYSTEMS- COLORBOND®, ALUMINIUM, GALVANISED STEEL - FOR MILD, MODERATE AND TROPICAL ATMOSPHERIC ENVIRONMENTS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Pretreatment Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth (where applicable). Follow by the surface preparation for the appropriate substrate, refer below: GALVANISED STEEL - Lightly abrasive blast using an inert grit to achieve a roughened, uniform flat appearance over the entire surface. Do not disturb zinc layer during blasting. ALUMINIUM - Either lightly abrasive blast clean using an inert grit to achieve a uniform, flat appearance over the entire surface; or mechanically abrade the entire surface using 80 grit paper/disc. COLORBOND® - Light mechanical abrade the entire surface using a fine grit paper/disc. Remove all residue.					
7092	1	P10.02	Duranamel PR7 Etch	25	Coloured gloss antigraffiti system. Graffiti removal by solvent wash or with a graffiti removal agent. Full colour range available.
	2	D9.18	Sunfast Gloss	35	
	3	P50.03	Poly U400 Antigraffiti Clear	30	

PROTECTIVE SYSTEMS - IMMERSION

MILD STEEL - FRESH/SEA WATER IMMERSION

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
8078	1	P33.03	Epinamel DTM985	150	Economical, high solids, high build, epoxy system.
	2	P33.03	Epinamel DTM985	150	
7055	1	P36.01	Epinamel MF920	250	High performance, high build, high solids, highly abrasion resistant epoxy system.
	2	P36.01	Epinamel MF920	250	
8090	1	P38.02	Epinamel UHB1000	1000	Solvent free, high build, single coat system. Primarily for wharf structures.

Note: systems 7083 and 7084 also suitable for fresh/sea water immersion.

MILD STEEL - WASTEWATER IMMERSION

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
8079	1	P30.01	Epinamel PR250	75	A high build, high solids epoxy system for protection against most wastewaters.
	2	P33.03	Epinamel DTM985	150	
	3	P33.03	Epinamel DTM985	150	
7057	1	P36.01	Epinamel MF920	250	High performance, high build, high solids, highly abrasion resistant epoxy system.
	2	P36.01	Epinamel MF920	250	

Note: systems 7083 and 7084 also suitable for wastewater immersion



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

MILD STEEL – TANK LINING (POTABLE WATER AND SELECTED CHEMICALS*)

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth.					
Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
7083	1	P30.01	Epinamel PR250	75	High solids, high build epoxy tank lining with superior durability and potable water approval to AS/NZS4020:2005.*
	2	P37.01	Epinamel TL710	150	
	3	P37.01	Epinamel TL710	150	
7084	1	P37.01	Epinamel TL710	200	High solids, high build epoxy tank lining with superior durability and potable water approval to AS/NZS4020:2005.*
	2	P37.01	Epinamel TL710	200	
8092	1	P37.02	Epinamel TL770SF	150	Solvent free, high build, epoxy potable water tank lining approved to AS/NZS4020:2005. Also suitable for most waste waters and saline/sea water.
	2	P37.02	Epinamel TL770SF	150	
8093	1	P30.01	Epinamel PR250	75	A high build, epoxy potable water tank lining, with optional holding primer (some times required in large tanks) Approved to AS/NZS4020:2005, also suitable for most waste waters and saline/sea water.
	2	P37.02	Epinamel TL770SF	500	

* Refer to I-19 Tank Lining Resistance Guide for a full list of suitable cargoes.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

PROTECTIVE SYSTEMS - HEAT AND CHEMICAL RESISTANT

MILD STEEL - HEAT RESISTANT SYSTEMS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
Interior - up to 200 °C					
7058	1	P31.01	Epinamel EB600MIO	60	Low temperature curing, recoatable epoxy micaceous iron oxide system for long term flexibility.
	2	P31.01	Epinamel EB600MIO	60	
8091	1	TM2.30	All Purpose Enamel Aluminium	35	Single product, single pack aluminium for economical protection.
	2	TM2.30	All Purpose Enamel Aluminium	35	
Interior - up to 400 °C					
7061	1	P42.01	Galvit ES510	75	Single coat, zinc rich ethyl silicate system for very good heat resistance and corrosion protection.
Exterior - up to 200 °C					
7062	1	P31.01	Epinamel EB600MIO	60	Low temperature curing, single product, recoatable epoxy micaceous iron oxide system for long term flexibility.
	2	P31.01	Epinamel EB600MIO	60	
	3	P31.01	Epinamel EB600MIO	60	
Exterior - up to 400 °C					
7064	1	P42.01	Galvit ES510	75	Single coat, zinc rich ethyl silicate system for excellent heat resistance and corrosion protection.

MILD STEEL - CHEMICAL RESISTANT SYSTEMS - FOR RESISTANCE TO SPLASH OF ACIDIC/ALKALINE LIQUIDS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
Acidic					
8095	1	P30.01	Epinamel PR250 (off white)	150	Epoxy primer with chlorinated rubber topcoat system with very good resistance to acidic splash conditions.
	2	P21.03	Chem-Tuff	35	
	3	P21.03	Chem-Tuff	35	
8080	1	P33.03	Epinamel DTM985	150	High build, epoxy/gloss polyurethane system with good resistance to a range of acidic splash conditions.
	2	P51.02	Poly U750	100	
Alkali					
8081	1	P33.03	Epinamel DTM985	150	High solids, epoxy gloss finish with good resistance to a range of alkali splash conditions
	2	P32.02	Epinamel CF602	35	



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

PROTECTIVE SYSTEMS - FLOORING

FLOORING SYSTEMS - MILD STEEL

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
Semi-gloss					
7068	1	P30.01	Epinamel PR250	150	Low temperature curing, recoatable epoxy system with long term flexibility.
	2	P31.01	Epinamel EB600	150	
Gloss					
8082	1	P33.03	Epinamel DTM985	200	High build, surface tolerant, epoxy mastic system. Excellent corrosion resistance. Suitable for high traffic areas.
	2	P33.03	Epinamel DTM985	200	
7085	1	P30.01	Epinamel PR250	75	A high build, highly abrasion resistant system, suitable for high traffic areas.
	2	P36.01	Epinamel MF920	250	
7070	1	P30.01	Epinamel PR250	75	Full gloss polyurethane finish system for moderate traffic areas.
	2	P51.02	Poly U750	75	
Non-Skid					
7071	1	P30.01	Epinamel PR250	75	Epoxy non-skid system with a gloss polyurethane finish, suitable for high traffic areas.
	2	P34.01	Epinamel NS808	400	
	3	P51.02	Poly U750	75	

FLOORING SYSTEMS - GALVANISED STEEL

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast (whip blast)					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth (where applicable). Lightly abrasive blast using an inert grit to achieve a roughened, uniform flat appearance over the entire surface. Do not disturb zinc layer during blasting.					
Semi-gloss					
7072	1	P30.01	Epinamel PR250	75	Low temperature curing, recoatable epoxy finish for long term flexibility. Suitable for moderate traffic areas.
	2	P31.01	Epinamel EB600	150	
Gloss					
7086	1	P30.01	Epinamel PR250	75	A high build, highly abrasion resistant system suitable for high traffic areas.
	2	P36.01	Epinamel MF920	250	
7074	1	P30.01	Epinamel PR250	75	High build, highly durable system with a hard wearing, gloss finish. Full AS2700 colour range available. Suitable for moderate traffic areas.
	2	P51.02	Poly U750	100	
Non-Skid					
7075	1	P30.01	Epinamel PR250	75	Epoxy non-skid system for high traffic areas.
	2	P34.01	Epinamel NS808	400	
	3	P51.02	Poly U750	100	



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

FLOORING SYSTEMS - CONCRETE

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Pretreatment					
New concrete shall be at least 28 days old prior to application of coating system. Remove all surface contaminants (including bond breakers and curing agents) followed by <u>either</u> :					
Abrasive blast					
Abrasive blast to remove all laitance, unsound paint and other surface contaminants. Completely remove all dust and grit. Ensure the concrete moisture content is less than 4%					
or					
Acid etch					
Acid etch the surface using a solution of hydrochloric acid. Rinse the surface with copious quantities of clean, fresh water to remove all of the acid residue. Allow the concrete to dry. Ensure the concrete moisture content is less than 4%.					
Semi-gloss					
7076	1	P32.01	Epinamel CP502	35	Low temperature curing, Recoatable epoxy system suitable for moderate traffic areas.
	2	P31.01	Epinamel EB600	100	
	3	P31.01	Epinamel EB600	100	
8096	1	P32.04	Epinamel CF720	50	Low odour, low VOC, epoxy floor coating system for workshop and drive on floor surfaces. Available in a range of common floor coating colours in gloss and satin finish.
	2	P32.04	Epinamel CF720	50	
	3	P32.04	Epinamel CF720	50	
Gloss					
7077	1	P32.01	Epinamel CP502	35	An epoxy, high build gloss polyurethane system suitable for moderate traffic areas.
	2	P51.02	Poly U750	100	
7078	1	P32.01	Epinamel CP502	35	Gloss epoxy system suitable for moderate traffic areas.
	2	P32.02	Epinamel CF602	35	
	3	P32.02	Epinamel CF602	35	
8096	1	P32.04	Epinamel CF720	50	Low odour, low VOC, epoxy floor coating system for workshop and drive on floor surfaces. Available in a range of common floor coating colours in gloss and satin finish.
	2	P32.04	Epinamel CF720	50	
	3	P32.04	Epinamel CF720	50	
Non-Skid					
7079	1	P32.01	Epinamel CP502	35	Epoxy/gloss polyurethane non-skid system suitable for high traffic areas.
	2	P34.01	Epinamel NS808	400	
	3	P51.02	Poly U750	100	
7080	1	P32.01	Epinamel CP502	35	Gloss epoxy non-skid system suitable for high traffic areas.
	2	P34.01	Epinamel NS808	400	
	3	P32.02	Epinamel CF602	35	



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

MARINE SYSTEMS - UNDERWATER HULL

UNDERWATER HULL – NEW BUILDING STEEL

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
8040	1	P36.01	Epinamel MF920	250	A highly abrasion and impact resistant epoxy/antifouling system. The system utilises a mineral flake filled high build epoxy and a high performance, high activity copper-based antifouling.
	2	P61.04	SeaPro TC170 Tiecoat	100	
	3	P60.01	SeaPro CU120 Antifouling	100	
	4	P60.01	SeaPro CU120 Antifouling	100	
8083	1	P33.03	Epinamel DTM985	200	A high solids epoxy/antifouling system. Provides good resistance to mechanical impact, abrasion and well designed cathodic protection, combined with a high performance, high activity copper-based antifouling.
	2	P61.04	SeaPro TC170 Tiecoat	100	
	3	P60.01	SeaPro CU120 Antifouling	100	
	4	P60.01	SeaPro CU120 Antifouling	100	
8042	1	P30.01	Epinamel PR250	150	A multi-purpose epoxy/antifouling system. Provides good resistance to mechanical impact, abrasion and well designed cathodic protection, combined with a high performance, high activity copper-based antifouling.
	2	P61.04	SeaPro TC170 Tiecoat	150	
	3	P60.01	SeaPro CU120 Antifouling	100	
	4	P60.01	SeaPro CU120 Antifouling	100	
8004	1	P61.02	SeaPro TC90 Tiecoat	75	A single pack chlorinated rubber anticorrosive system combined with a high performance, high activity copper-based antifouling.
	2	P61.02	SeaPro TC90 Tiecoat	75	
	3	P61.02	SeaPro TC90 Tiecoat	75	
	4	P60.01	SeaPro CU120 Antifouling	100	
	5	P60.01	SeaPro CU120 Antifouling	100	

MAINTENANCE – WATTYL SYSTEM

Remove all surface contaminants and degrease where present using biodegradable degreasing solution. As in normal docking/slipping practices, fouling, loose paint, residues from degreasing and/or other contaminants should be removed by high-pressure water cleaning (HPWC) (using fresh and clean water) at 34-70 MPa (5000-10000 psi). Any fouling and/or loose coating remaining after HPWC must be removed by scraping or sweep blasting. Any corroded areas should be spot blasted in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9), have edges feathered and spot primed and coated with a Wattyl recommended system.

MAINTENANCE – PREVIOUSLY APPLIED UNKNOWN SYSTEM

Following degreasing and surface preparation, apply 3 x 75 microns spot coats of SeaPro TC90 Tiecoat to all bare areas, followed by one full 'seal coat' of SeaPro TC90 Tiecoat to a dry film thickness of 50 microns. Allow to dry and then apply the appropriate Wattyl antifouling system at the nominated dry film thickness.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

UNDERWATER HULL – NEW BUILDING ALUMINIUM

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Pretreatment Degrease all surfaces in accordance with AS1627.1. Followed by either: Abrasive Blast (whip blast) Sweep abrasive blast all surfaces using non-metallic grit to achieve a uniform flat appearance over the entire surface. or Mechanically abrade Mechanically abrade the entire surface using 40 grit paper / disc					
8043	1	P30.01	Epinamel PR250+	75	A high solids epoxy/antifouling system. Providing high abrasion and impact resistance with a flake filled epoxy, combined with a long-life self-polishing copper-free antifouling.
	2	P36.01	Epinamel MF920	250	
	3	P61.04	SeaPro TC170 Tiecoat	75	
	4	P60.02	SeaPro Plus 100 Antifouling	100	
	5	P60.02	SeaPro Plus 100 Antifouling	100	
8044	1	P30.01	Epinamel PR250+	150	A multipurpose epoxy/antifouling system where high abrasion and impact may not be a consideration, combined with a long-life self-polishing copper-free antifouling.
	2	P61.04	SeaPro TC170 Tiecoat	75	
	3	P60.02	SeaPro Plus 100 Antifouling	100	
	4	P60.02	SeaPro Plus 100 Antifouling	100	

Note: + If SeaPro EFC is used over the Epinamel PR250 to fair up surface defects, then following application and sanding it should be overcoated with a further coat of Epinamel PR250.

MAINTENANCE – WATTYL SYSTEM

Remove all surface contaminants and degrease those surfaces where present using biodegradable degreasing solution. As in normal docking/slipping practices, fouling, residues from degreasing, loose paint and/or other contaminants should be removed by high-pressure water cleaning (HPWC) (using fresh and clean water) at 34-70 MPa (5000-10000 psi). Any fouling and/or loose coating remaining after HPWC must be removed by scraping or other means of removal. This should be once again followed by water washing to remove residue. Any bare areas should have edges feathered and be repaired and coated with a Wattyl recommended system.

MAINTENANCE – PREVIOUSLY APPLIED UNKNOWN SYSTEM

Following removal of all surface contaminants, degreasing and surface preparation as above, spot prime all bare areas with Epinamel PR250 to a dry film thickness of 75 microns, then apply 2 x 75 microns spot coats of SeaPro TC90 Tiecoat, followed by one full 'seal coat' of SeaPro TC90 Tiecoat to a dry film thickness of 50 microns. Allow to dry and then apply Wattyl SeaPro Plus 100 Antifouling at the nominated dry film thickness.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

UNDERWATER HULL – NEW BUILDING FIBREGLASS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Mechanically abrade Remove all surface contaminants (including mould release agents) using a suitable degreaser. Abrade all surfaces thoroughly to a dull matt finish using 80 grt paper/disc. Wash down to remove all residues. Hull imperfections should be filled.					
8045	1	P30.01	Epinamel PR250+	75	A high solids high abrasion and impact resistant epoxy coating system combined with a long-life self-polishing copper-free antifouling.
	2	P36.01	Epinamel MF920	250	
	3	P61.04	SeaPro TC170 Tiecoat	75	
	4	P60.02	SeaPro Plus 100 Antifouling	100	
	5	P60.02	SeaPro Plus 100 Antifouling	100	
8046	1	P30.01	Epinamel PR250+	75	Medium solids epoxy coating system where high abrasion and impact may not be a consideration; combined with a long-life self-polishing copper-free antifouling.
	2	P61.04	SeaPro TC170 Tiecoat	75	
	3	P60.02	SeaPro Plus 100 Antifouling	100	
	4	P60.02	SeaPro Plus 100 Antifouling	100	

Note: + If SeaPro EFC is used over the Epinamel PR250 to fair up surface defects, then following application and sanding it should be overcoated with a further coat of Epinamel PR250.

SeaPro CU120 Antifouling is also suitable for use but only where aluminium appendages are not present.

MAINTENANCE – WATTYL SYSTEM

Remove all surface contaminants and degrease where necessary using biodegradable degreasing solution. As in normal docking/slipping practices, fouling residues from degreasing, loose paint and/or other contaminants should be removed by high-pressure water cleaning (HPWC) (using clean and fresh water) at 34-70 MPa (5000-10000 psi). Any fouling and/or loose coating remaining after HPWC must be removed by scraping or other means of removal. This should be once again followed by water washing to remove residue. Any bare areas should be repaired using the original system.

MAINTENANCE – PREVIOUSLY APPLIED UNKNOWN SYSTEM

Following removal of all surface contaminants, degreasing and surface preparation as above, spot prime all bare areas with 1 x 75 microns of Epinamel PR250 followed by spot coat of 2 x 75 microns of SeaPro TC90 Tiecoat, followed by one full 'seal coat' of SeaPro TC90 Tiecoat to a dry film thickness of 50 microns, followed by the selected compatible Wattyl antifouling.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

UNDERWATER HULL - NEW BUILDING TIMBER

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Sanding - Timber					
Depending on the type of timber used for construction, oils from the timber may need to be removed prior to any surface preparation. Once these oils and other contaminants have been removed, all surfaces should be sanded smooth and all sanding residue removed. All surfaces to be dry before painting. Any imperfections should be filled.					
8084	1	P61.01	SeaPro TP80+	12 x 2	A high solids epoxy/antifouling system. Providing excellent resistance to mechanical impact and abrasion, combined with a high performance, high activity copper-based antifouling.
	2	P33.03	Epinamel DTM985	150	
	3	P61.04	SeaPro TC170 Tiecoat	75	
	4	P60.01	SeaPro CU120 Antifouling ++	100	
	5	P60.01	SeaPro CU120 Antifouling ++	100	
8010	1	P61.01	SeaPro TP80+	12 x 2	A flexible timber antifouling system using a high performance, high activity copper-based antifouling.
	2	P61.02	SeaPro TC90 Tiecoat	75	
	3	P61.02	SeaPro TC90 Tiecoat	75	
	4	P60.01	SeaPro CU120 Antifouling ++	100	
	5	P60.01	SeaPro CU120 Antifouling ++	100	

Notes: + If SeaPro EFC is used over the SeaPro TP80 to fair up surface defects, then following application and sanding it should be overcoated with a further coat of SeaPro TP80.

++ SeaPro CU120 Antifouling is not suitable for use where aluminium appendages are present. Where aluminium appendages are present use SeaPro Plus 100 Antifouling at the nominated dry film thickness.

MAINTENANCE - WATTYL SYSTEM

Degrease where necessary using biodegradable degreasing solution. As in normal docking/slipping practices, fouling, loose paint and/or other contaminants should be removed by high-pressure water cleaning (HPWC) (using clean and fresh water) at 34-70 MPa (5000-10000 psi). Any fouling and/or loose coating remaining after HPWC must be removed by scraping or other means of removal. This should be once again followed by water washing to remove residue. Once dry, any bare areas should be repaired using the original system.

MAINTENANCE - PREVIOUSLY APPLIED UNKNOWN SYSTEM

Following degreasing and surface preparation as above, spot prime all bare areas with Wattyl SeaPro TP80, then apply 2 x 75 micron dry film thickness spot coats of SeaPro TC90 Tiecoat, followed by one full 'seal coat' of SeaPro TC90 Tiecoat to a dry film thickness of 50 microns, followed by the selected compatible antifouling.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

MARINE SYSTEMS - DECKS

DECKS – NEW BUILDING STEEL

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
Semi-gloss					
8011	1	P30.01	Epinamel PR250	75	High solids recoatable epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	125	
	3	P51.02	Poly U750	75	
8012	1	P30.01	Galvit EP100	50	High solids recoatable epoxy zinc/gloss polyurethane system. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	125	
	3	P51.02	Poly U750	75	
8013	1	P36.01	Epinamel MF920	250	High solids reinforced epoxy system with high resistance to mechanical impact, unlimited recoatability. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	100	
8014	1	P30.01	Epinamel PR250	150	High solids recoatable epoxy/gloss polyurethane non-skid system. Full AS2700 colour range available.
	2	P34.01	Epinamel NS808	400	
	3	P51.02	Poly U750	75	
8015	1	P30.01	Epinamel PR250	75	Unlimited recoatability full epoxy system. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	100	
	3	P31.01	Epinamel EB600	100	

MAINTENANCE – WATTYL SYSTEM

Remove all surface contaminants and degrease where present using biodegradable degreasing solution. As in normal docking/slipping practices, salt, loose paint and/or other contaminants should be removed by high-pressure water cleaning (HPWC) (using clean and fresh water) at 34-70 MPa (5000-10000 psi). Loose coating remaining after HPWC must be removed by scraping or sweep blasting. Any corroded areas should be spot blasted to minimum Sa 2½ (AS1627.9) blast and spot primed with the original anticorrosive followed by the originally applied system. Epinamel PR250 must be used as primer if using wet abrasive blasting or ultra-high water jetting (UPWJ) preparation methods.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

DECKS – NEW BUILDING ALUMINIUM

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Pretreatment Degrease all surfaces in accordance with AS1627.1. Followed by <u>either</u> : Abrasive Blast (whip blast) Sweep abrasive blast all surfaces using non-metallic grit to achieve a uniform flat appearance over the entire surface. <u>or</u> Mechanically abrade Mechanically abrade the entire surface using 80 grit paper / disc					
Semi-gloss					
8016	1	P30.01	Epinamel PR250	75	High solids reinforced epoxy system with high resistance to mechanical impact and abrasion.
	2	P36.01	Epinamel MF920	250	
8017	1	P30.01	Epinamel PR250	150	High solids recoatable epoxy/gloss polyurethane non-skid system. Full AS2700 colour range available.
	2	P34.01	Epinamel NS808	400	
	3	P51.02	Poly U750	75	
8018	1	P30.01	Epinamel PR250	75	Multi-purpose epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	150	
	3	P51.02	Poly U750	75	

MAINTENANCE – WATTYL SYSTEM

Remove all surface contaminants and degrease where necessary using biodegradable degreasing solution. As in normal decking/slipping practices, salt, loose paint and/or other contaminants should be removed by high-pressure water cleaning (HPWC) (using clean and fresh water) at 34-70 MPa (5000-10000 psi). Loose coating remaining after HPWC must be removed by scraping or sweep blasting. Any corroded areas should be spot blasted using non-metallic grit and spot primed with the original anticorrosive followed by the originally applied system.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

DECKS – NEW BUILDING FIBERGLASS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Mechanically abrade Remove all surface contaminants (including mould release agents) using a suitable degreaser. Abrade all surfaces thoroughly to a dull matt finish using 80 grit paper/disc. Wash down to remove all residues. Hull imperfections should be filled.					
8019	1	P30.01	Epinamel PR250+	75	High solids reinforced epoxy system with high resistance to mechanical impact
	2	P36.01	Epinamel MF920	250	
8020	1	P30.01	Epinamel PR250+	75	Epoxy/gloss polyurethane non-skid system. Full AS2700 colour range available.
	2	P34.01	Epinamel NS808	400	
	3	P51.02	Poly U750	75	
8021	1	P30.01	Epinamel PR250+	75	Multi-purpose epoxy/gloss polyurethane system . Full AS2700 colour range available.
	2	P31.01	Epinamel EB600++	150	
	3	P51.02	Poly U750	75	

Note: + If SeaPro EFC is used over the Epinamel PR250 to fair up surface defects, then following application and sanding it should be overcoated with a further coat of Epinamel PR250.

++To achieve a low profile non-skid finish, non-skid additive may be broadcast into the film to achieve non-skid properties.

MAINTENANCE – WATTYL SYSTEM

Remove all surface contaminants and degrease where necessary using biodegradable degreasing solution. As in normal docking / slipping practices, residues from cleaning, salt, loose paint and/ or other contaminants should be removed by high-pressure water cleaning (HPWC) (using clean and fresh water) at 34-70 MPa (5000-10000 psi). Loose coating remaining after HPWC must be removed by scraping or mechanical sanding. Any bare areas should be mechanically sanded, edges feathered and spot primed with Epinamel PR250 followed by the originally applied system.

DECKS – NEW BUILDING TIMBER

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Sanding - Timber Depending on the type of timber used for construction, oils from the timber may need to be removed prior to any surface preparation. Once these oils and other contaminants have been removed, all surfaces should be sanded smooth and all sanding residue removed. All surfaces to be dry before painting. Any imperfections should be filled.					
8022	1	P61.01	SeaPro TP80+	12 x 2	High solids recoatable epoxy/gloss polyurethane, non-skid system. Full AS2700 colour range available.
	2	P34.01	Epinamel NS808	400	
	3	P51.02	Poly U750	75	
8023	1	P61.01	SeaPro TP80+	12 x 2	Recoatable epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600++	100	
	3	P51.02	Poly U750	75	

Notes: + SeaPro EFC may be used to fair up surface defects after application of the first coat.

++ To achieve a low profile non-skid finish, non-skid additive may be broadcast into the film to achieve non-skid properties.

MAINTENANCE – WATTYL SYSTEM

Degrease where necessary using biodegradable degreasing solution. Wash down with potable water to remove salt. Mechanically abrade all surfaces to remove loose paint and/or other contaminants. Spot prime bare areas with SeaPro TP80 and finish with original system.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

MARINE SYSTEMS - TOPSIDE

TOPSIDE/SUPERSTRUCTURE/WHEEL HOUSE/ACCOMMODATION - NEW BUILDING STEEL

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth.					
Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
8024	1	P30.01	Epinamel PR250	75	Recoatable epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	125	
	3	P51.02	Poly U750	75	
8025	1	P30.01	Epinamel PR250	75	Unlimited recoatability full epoxy system. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	100	
	3	P31.01	Epinamel EB600	100	

MAINTENANCE – WATTYL SYSTEM

Remove all surface contaminants and degrease where necessary using biodegradable degreasing solution. As in normal docking/shipping practices, degreasing residues, salt, loose paint and/or other contaminants should be removed by high pressure water cleaning (HPWC) (using clean and fresh water) at 34-70 MPa (5000-10000 psi). Loose coating remaining after HPWC must be removed by scraping or sweep blasting. Any corroded areas should be spot blasted back to minimum Sa 2½ (As 1627.9) and spot primed with the original anticorrosive followed by the originally applied system. Epinamel PR250 must be used as primer if using wet abrasive blasting or ultra-high water jetting (UPWJ) preparation methods.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

TOPSIDE/SUPERSTRUCTURE/WHEEL HOUSE/ACCOMMODATION - NEW BUILDING ALUMINIUM

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Pretreatment Degrease all surfaces in accordance with AS1627.1. Followed by <u>either</u> : Abrasive Blast (whip blast) Sweep abrasive blast all surfaces using non-metallic grit to achieve a uniform flat appearance over the entire surface. or Mechanically abrade Mechanically abrade the entire surface using 80 grit paper / disc					
8026	1	P30.01	Epinamel PR250+	75	Multi-purpose recoatable epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	150	
	3	P51.02	Poly U750	75	
8027	1	P30.01	Epinamel PR250+	75	Recoatable, sandable epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P30.06	Epinamel UC230	125	
	3	P51.02	Poly U750	75	
8028	1	P30.01	Epinamel PR250+	100	High build, two coat, epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P51.02	Poly U750	75	

Note: + If SeaPro EFC is used over the Epinamel PR250 to fair up surface defects, then following application and sanding it should be overcoated with a further coat of Epinamel PR250.

MAINTENANCE – WATTYL SYSTEM

Degrease where necessary using biodegradable degreasing solution. Wash down with potable water to remove salt. Mechanically abrade all surfaces to remove loose paint and/or other contaminants. Spot prime bare areas with 75 microns of Epinamel PR250 and finish with original system.

TOPSIDE/SUPERSTRUCTURE/WHEEL HOUSE/ACCOMMODATION - NEW BUILDING FIBREGLASS

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Mechanically abrade Remove all surface contaminants (including mould release agents) using a suitable degreaser. Abrade all surfaces thoroughly to a dull matt finish using 80 grit paper/disc. Wash down to remove all residues. Hull imperfections should be filled.					
8029	1	P30.01	Epinamel PR250+	75	Recoatable epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	150	
	3	P51.02	Poly U750	75	
8030	1	P30.01	Epinamel PR250+	100	High build, two coat, epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P51.02	Poly U750	75	

Note: + If SeaPro EFC is used over the Epinamel PR250 to fair up surface defects, then following application and sanding it should be overcoated with a further coat of Epinamel PR250.

MAINTENANCE – WATTY SYSTEM

Degrease where necessary using biodegradable degreasing solution. Wash down with potable water to remove salt. Mechanically abrade all surfaces to remove loose paint and/or other contaminants. Spot prime bare areas with 75 microns of Epinamel PR250 and finish with original system.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

TOPSIDE/SUPERSTRUCTURE/WHEEL HOUSE/ACCOMMODATION - NEW BUILDING TIMBER

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Sanding - Timber					
Depending on the type of timber used for construction, oils from the timber may need to be removed prior to any surface preparation. Once these oils and other contaminants have been removed, all surfaces should be sanded smooth and all sanding residue removed. All surfaces to be dry before painting. Any imperfections should be filled.					
8031	1	P61.01	SeaPro TP80+	12 x 2	Recoatable epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	125	
	3	P51.02	Poly U750	75	
8032	1	P61.01	SeaPro TP80+	12 x 2	Recoatable, sandable epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P30.06	Epinamel UC230	125	
	3	P51.02	Poly U750	75	

Notes: + SeaPro EFC may be used to fair up surface defects after application of the first coat.

MAINTENANCE - WATTYL SYSTEM

Degrease where necessary using biodegradable degreasing solution. Wash down with potable water to remove salt. Mechanically abrade all surfaces to remove loose paint and/or other contaminants. Spot prime bare areas with SeaPro TP80 and finish with original system.

MARINE SYSTEMS - INTERNAL

INTERNAL COATING SYSTEMS- CARGO HOLD - DRY- NEW BUILDING STEEL

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
8033	1	P36.01	Epinamel MF920	250	Single coat, high solids, reinforced epoxy system with high resistance to mechanical impact and abrasion.
8034	1	P30.01	Epinamel PR250	125	Unlimited recoatable epoxy coating system for cargo holds for new building and repair situations. Full AS2700 colour range available.
	2	P31.01	Epinamel EB600	125	
8085	1	P33.03	Epinamel DTM985	400	High solids epoxy system with superior durability.

MAINTENANCE - WATTYL SYSTEM

Remove all surface contaminants and degrease where necessary using biodegradable degreasing solution. As in normal docking/slipping practices residues from degreasing, salt, loose paint and/or other contaminants should be removed by high-pressure water cleaning (HPWC) at 34-70 MPa (5000-10000 psi). Loose coating remaining after HPWC must be removed by scraping or sweep blasting. Any corroded areas should be spot blasted to minimum Sa 2½ (AS1627.9) blast, have edges feathered and spot primed with the original anticorrosive followed by the originally applied system. Epinamel PR250 must be used as primer if using wet abrasive blasting or ultra high water jetting (UPWJ) preparation methods.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

INTERNAL COATING SYSTEMS- TANKS – BALLAST AND VOID SPACES- NEW BUILDING STEEL

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
8086	1	P33.03	Epinamel DTM985 (Stripe coat)	75	High solids, high build, superior durability epoxy system.
	2	P33.03	Epinamel DTM985	150	
	3	P33.03	Epinamel DTM985	150	
8049	1	P37.01	Epinamel TL710 (Stripe coat)	75	High solids, high build, epoxy tank lining with superior durability and potable water approval to AS/NZS4020:2005.
	2	P37.01	Epinamel TL710	150	
	3	P37.01	Epinamel TL710	150	

Note: a stripe coat is essential to ensure total coverage of all high points such as welds, edges, nuts, bolts etc.

MAINTENANCE – WATTYL SYSTEM

Remove all surface contaminants and degrease where necessary. High pressure water clean all surfaces (clean and fresh water) to remove any salts. Spot abrasive blast/mechanical abrade any damaged/corroded areas to remove all corrosion product. Feather edges and remove residue from cleaning process. Intact coating around damaged/corroded areas should also be thoroughly abraded so as to ensure intercoat adhesion between the new and existing coatings. Spot repaired areas should be primed with 75 microns of Epinamel PR250 and then finished with the originally applied system.

INTERNAL COATING SYSTEMS- CHAIN LOCKER- NEW BUILDING STEEL

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
8037	1	P30.01	Epinamel PR250	125	High solids reinforced epoxy system with high resistance to mechanical impact and abrasion
	2	P36.01	Epinamel MF920	250	
8087	1	P33.03	Epinamel DTM985	200	High solids epoxy mastic system with superior durability and good light reflection when light colours used
	2	P33.03	Epinamel DTM985	200	

MAINTENANCE – WATTYL SYSTEM

Degrease where necessary and potable water pressure wash to remove any salts. Spot abrasive blast/mechanical abrade any damaged/corroded areas, should also be thoroughly abraded so as to ensure intercoat adhesion between the new and existing coatings. Spot repaired areas should be primed with 75 microns of Epinamel PR250 and then finished with the originally applied system.



PROTECTIVE AND MARINE COATINGS SYSTEM GUIDE

INTERNAL COATING SYSTEMS- ENGINE ROOM- NEW BUILDING STEEL

SYSTEM NO.	COAT	DATA SHEET	PRODUCT	DFT (µm)	SYSTEM BENEFITS
Abrasive Blast					
Degrease all surfaces in accordance with AS1627.1. Remove slag and splatter, grind all welds and high points smooth. Abrasive blast in accordance with AS1627.4 to a minimum Sa 2½ (AS1627.9)					
8039	1	P30.01	EpinameL PR250	150	High build, two coat, epoxy/gloss polyurethane system. Full AS2700 colour range available.
	2	P51.02	Poly U750	75	

MAINTENANCE - WATTYL SYSTEM

Degrease where necessary using biodegradable degreasing solution. As in normal docking/slipping practices, salt, loose paint and/or other contaminants should be removed by high-pressure cleaning (HPWC) (using clean and fresh water) at 34-70 MPa (5000 – 10000 psi). Loose coating remaining after HPWC must be removed by scraping or sweep blasting. Any corroded areas should be spot blasted to a minimum Sa 2½ (AS1627.9) blast and spot primed with the original anticorrosive followed by the originally applied system. EpinameL PR250 must be used as primer if using wet abrasive blasting or ultra high water jetting (UPWJ) preparation methods.



Quality
ISO 9001

Valspar is committed to quality in the design, production and delivery of its products and services. Valspar's Australian manufacturing facilities quality management systems are certified to ISO9001.

Valspar's laboratory facilities are accredited for technical competence with the National Association of Tests Authorities, Australia (NATA) and comply with the requirements of ISO/IEC 17025. Accreditation No.104 (Footscray), 166 (Blacktown), 1154 (Glendenning) and 931 (Kilburn).



For the most up to date information contact Valspar Customer Service Hotline or visit the Wattyl Website.

CUSTOMER SERVICE HOTLINE

Australia
132 101

New Zealand
0800 735 551

WEBSITE

www.wattylindustrial.com.au
www.wattyl.com.au

www.wattyl.co.nz

Trademarks are the property of Valspar Paint (Australia) Pty Ltd.

1. This information, provided by Valspar Paint (Australia) Pty Ltd (hereinafter referred to as "Valspar"), is important to ensure that the listed product(s) perform according to the stated application and uses and must be followed to meet Valspar's warranties express and implied. Valspar advises that you (a) review the Technical Data Sheets (TDS) and Material Safety Data Sheets (MSDS) before you use or handle the product; (b) ensure that the product be used only in accordance with the information provided by Valspar and the product(s) be transported, stored and handled in accordance with the information on the MSDS and relevant TDS; and (c) thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product. 2. The information in this TDS was prepared using information gathered during product development. While Valspar endeavours to update this information and maintain the accuracy and currency of its contents, Valspar does not warrant that the information provided is current when the product is used or is wholly comprehensive. 3. For all product and non-product related information, Valspar recommends that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest Valspar office before using the product(s). 4. To the full extent permitted by law, Valspar's liability for breach of a condition or warranty implied into the contract for sale between Valspar and you by law is limited at Valspar's election to: (a) the replacement of the product; or (b) payment of the cost of replacing the product. If coating rectification is required Valspar Technical Services shall be contacted prior to commencement. VALSPAR PAINT (AUSTRALIA) PTY LTD (ABN 40 000 035 914)