Guide to AS/NZS 2312.1:2014

wattyl®
Protective Coatings

Guide to AS/NZS 2312.1:2014

The Australian/New Zealand Standard AS/NZS 2312.1:2014 "Guide to the protection of steel against atmospheric corrosion by the use of Protective Coatings" offer a recommended guide to the protection of steel against corrosion in a range of "atmospheric corrosivity categories".

Protection of steel substrates is a major part of the Australian construction scene. Avoidance of the many pit falls that exist in achieving this goal is of considerable concern to designers, construction engineers and applicators alike.

The Wattyl Protective Coatings Guide to AS/NZS 2312.1:2014 is designed to provide a summary of applicable Wattyl coating systems with a guide to durability in the particular exposure environments nominated.

Additionally, Wattyl's capability include a wide range of specifications that are not confined to the systems supplied on this guide. To find out more, contact our Wattyl representatives.

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Atmospheric Environments

When selecting an appropriate protective coating system, the atmospheric conditions in the location of the intended structure require consideration. A structure situated in an aggressive environment will require a much higher standard of corrosion protection than one in a benign environment. The environment will affect the corrosion of steel and the life of a coating system.

Corrosivity Categories	Corrosion Rate For Steel (µm/year)	Corrosion Rate For Zinc (µm/year)	Typical Exterior Environment	Examples of Interior Environments
C1: Very low	<1.3	<0.1	Few alpine areas	Offices, shops
C2: Low	1.3 to 25	0.1 to 0.7	Arid/rural/urban; at least 50km from coast of sources of pollution	Warehouses, sports halls
C3: Medium	25 to 50	0.7 to 2.1	Coastal areas with low salinity	Food processing plants, breweries, dairies
C4: High	50 to 80	2.1 to 4.2	Sea-shore (calm) up to 1km from coast	Swimming pools, livestock, buildings
C5-I : Very High (Industrial)	80 to 200	4.2 to 8.4	Aggressive Industrial areas, where environment may be acidic	Plating shops, chemical sites
C5-M: Very High (Marine)	80 to 200	4.2 to 8.4	Offshore and beachfront (rough seas and surf beaches)	
CX	200 to 700	8.4 to 25	Shoreline (Severe Surf)	Adjacent to acidic processes
T: Inland Tropical	-		Non-coastal tropical environment with high heat and humidity such as QLD, NT, North West WA, PNG and Pacific Islands	-

Table Explained

System Number: This refers to the AS/NZS 2312.1:2014 system designation for corrosivity based on coatings chemistry including Acrylics, Alkyd, Epoxy, Inorganic Zinc and much more. Wattyl's equivalent systems to the standard are reflected in this section.

Surface Preparation: This section refers to the surface preparation standards required for the steel preparation prior to coating applications.

First Coat: This section refers to the primer, the first layer of coating in providing adhesion and corrosion protection to the steel.

Second Coat: This section refers to the intermediate or build coat, the second layer of coating in providing barrier protection and prevention of moisture ingress.

Third Coat: This section refers to the top coat or finish coat, the third layer of coating in providing UV resistance, for long term durability and high impact aesthetics.

Nominated and Total DFT: This section refers to the recommended coatings thickness to achieve the desired durability.

Durability / Years to first maintenance: This section refers to the number of years of corrosion protection guaranteed to the structure prior to first coatings maintenance.
This guarantee is dependent on the understanding that all coatings processes are complied with the standard and Valspar recommendations..

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Paint Systems for Steel – Atmospheric Exposure

Coating Specification									Durability – Years to first maintenance of paint component of duplex system						
System No (Wattyl Protective Coatings System No)	Surface Preparation ‡	1st Coat		2nd Coat		3rd Coat		Total DFT (µm)	Atmospheric corrosivity category						
		Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)		C1 Very Low	C2 Low	C3 Med	C4 High	C5-I Very High Industrial	C5-M Very High Marine	T Inland Tropical
ACRYLIC - Latex, single pack															
ACL1 9000	St3	**All Purpose Primer**	40	**Wattyl Solagard**	40	**Wattyl Solagard**	40	120	15+	5-15	2-5	-	-	-	2-5
ACL2 9001	Sa2$^{1/2}$	**Galvit EP100**	75	**Wattyl Solagard**	40	**Wattyl Solagard**	40	155	25+	15-25	10-15	5-10	2-5	2-5	10-15
ACL2 9002	Sa2$^{1/2}$	**Galvit ES600**	75	**Wattyl Solagard**	40	**Wattyl Solagard**	40	155	25+	15-25	10-15	5-10	2-5	2-5	10-15
ACL3 9003	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel DTM985**	125	**Wattyl Solagard**	40	240	*	25+	15-25	10-15	5-10	5-10	15-25
ACL3 9090	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel EB600**	125	**Wattyl Solagard**	40	240	*	25+	15-25	10-15	5-10	5-10	15-25
ACL3 9091	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel DTS680**	125	**Wattyl Solagard**	40	240	*	25+	15-25	10-15	5-10	5-10	15-25
ACL4 9004	Sa2$^{1/2}$	**Epinamel DTM985**	250	**Wattyl Solagard^**	40	**-**	-	290	25+	15-25	10-15	5-10	2-5	2-5	10-15

^ Some colours may require multiple coats to achieve opacity, - Not applicable, * Suitable for this category but not economical. ‡ Refer to AS1627.1, AS1627.2, AS1627.4 and AS1627.9
Products nominated in the above systems comply with the minimum performance levels nominated by AS/NZS 2312.1:2014 but may not carry APAS approval. Refer to product technical data sheet for approvals.
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Paint Systems for Steel – Atmospheric Exposure (continued)

Coating Specification									Durability – Years to first maintenance of paint component of duplex system						
System No (Wattyl Protective Coatings System No)	Surface Preparation ‡	1st Coat		2nd Coat		3rd Coat		Total DFT (µm)	Atmospheric corrosivity category						
		Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)		C1 Very Low	C2 Low	C3 Med	C4 High	C5-I Very High Industrial	C5-M Very High Marine	T Inland Tropical
ACRYLIC - Solvent borne catalyzed, two pack															
ACC1 9005	St3	**Epinamel DTM985**	125	**Paracryl IF540^**	50	**-**	-	200	25+	10-25	5-10	2-5	-	-	5-10
ACC2 9006	Sa2$^{1/2}$	**Epinamel PR250**	75	**Paracryl IF540^**	50	**-**	-	125	25+	15-25	10-15	5-10	2-5	2-5	10-15
ACC4 9009	Sa2$^{1/2}$	**Epinamel PR250**	75	**Epinamel DTM985**	125	**Paracryl IF540^**	50	250	*	25+	15-25	10-15	5-10	5-10	15-25
ACC4 9092	Sa2$^{1/2}$	**Epinamel PR250**	75	**Epinamel EB600**	125	**Paracryl IF540^**	50	250	*	25+	15-25	10-15	5-10	5-10	15-25
ACC4 9093	Sa2$^{1/2}$	**Epinamel PR250**	75	**Epinamel DTS680**	125	**Paracryl IF540^**	50	250	*	25+	15-25	10-15	5-10	5-10	15-25
ACC5 9010	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel DTM985**	125	**Paracryl IF540^**	50	250	*	25+	15-25	10-15	5-10	5-10	15-25
ACC5 9094	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel EB600**	125	**Paracryl IF540^**	50	250	*	25+	15-25	10-15	5-10	5-10	15-25
ACC5 9095	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel DTS680**	125	**Paracryl IF540^**	50	250	*	25+	15-25	10-15	5-10	5-10	15-25
ACC5 9011	Sa2$^{1/2}$	**Galvit ES600**	75	**Epinamel DTM985**	125	**Paracryl IF540^**	50	250	*	25+	15-25	10-15	5-10	5-10	15-25
ACC5 9096	Sa2$^{1/2}$	**Galvit ES600**	75	**Epinamel EB600**	125	**Paracryl IF540^**	50	250	*	25+	15-25	10-15	5-10	5-10	15-25
ACC5 9097	Sa2$^{1/2}$	**Galvit ES600**	75	**Epinamel DTS680**	125	**Paracryl IF540^**	50	250	*	25+	15-25	10-15	5-10	5-10	15-25
ACC6 9012	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel DTM985**	200	**Paracryl IF540^**	50	325	*	25+	25+	15-25	5-10	10-15	25+
ACC6 9098	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel DTS680**	200	**Paracryl IF540^**	50	325	*	25+	25+	15-25	5-10	10-15	25+
ACC6 9013	Sa2$^{1/2}$	**Galvit ES600**	75	**Epinamel DTM985**	200	**Paracryl IF540^**	50	325	*	25+	25+	25+	5-10	15-25	25+
ACC6 9099	Sa2$^{1/2}$	**Galvit ES600**	75	**Epinamel DTS680**	200	**Paracryl IF540^**	50	325	*	25+	25+	25+	5-10	15-25	25+
ALKYD															
ALK1 9014	St3/Sa2	**All Purpose Primer**	40	**-**	-	**-**	-	40	5+	0-5	-	-	-	-	-
ALK3 9016	St3/Sa2	**Duranamel PR9**	75	**Duranamel BR22^**	40	**-**	-	115	15+	5-15	2-5	-	-	-	2-5

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Paint Systems for Steel – Atmospheric Exposure (continued)

Coating Specification									Durability – Years to first maintenance of paint component of duplex system						
System No (Wattyl Protective Coatings System No)	Surface Preparation ‡	1st Coat		2nd Coat		3rd Coat		Total DFT (µm)	Atmospheric corrosivity category						
		Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)		C1 Very Low	C2 Low	C3 Med	C4 High	C5-I Very High Industrial	C5-M Very High Marine	T Inland Tropical
EPOXY - Very High Build (DFT:250µm to 500µm per coat)															
EVH1 9081	Sa2$^{1/2}$	**Epinamel DTM985**	250	-	-	-	-	250	25+	15-25	10-15	5-10	2-5	2-5	5-10
EVH2 9082	Sa2$^{1/2}$	**Epinamel DTM985**	400	-	-	-	-	400	*	25+	15-25	10-15	5-15	5-15	10-15
EVH3 9083	Sa2$^{1/2}$	**Epinamel PR250**	75	**Epinamel DTM985**	400	-	-	475	*	25+	15-25	10-15	5-15	5-15	10-15
EPOXY - High Build (DFT:125µm to 200µm per coat)															
EHB3 9023	Sa2$^{1/2}$	**Epinamel PR250**	75	**Epinamel DTM985**	200	-	-	275	*	25+	15-25	10-15	5-15	5-15	10-15
EHB3 9100	Sa2$^{1/2}$	**Epinamel PR250**	75	**Epinamel DTS680**	200	-	-	275	*	25+	15-25	10-15	5-15	5-15	10-15
EHB4 9024	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel DTM985**	200	-	-	275	*	25+	15-25	10-15	5-10	5-10	10-15
EHB4 9101	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel DTS680**	200	-	-	275	*	25+	15-25	10-15	5-10	5-10	10-15
EHB4 9025	Sa2$^{1/2}$	**Galvit ES600**	75	**Epinamel DTM985**	200	-	-	275	*	25+	15-25	10-15	5-10	5-10	10-15
EHB4 9102	Sa2$^{1/2}$	**Galvit ES600**	75	**Epinamel DTS680**	200	-	-	275	*	25+	15-25	10-15	5-10	5-10	10-15
EHB5 9026	Sa2$^{1/2}$	**Epinamel PR250**	75	**Epinamel DTM985 MIO**	125	**Epinamel DTM985 MIO**	125	325	*	25+	15-25	10-15	10-15	10-15	10-15
EHB5 9103	Sa2$^{1/2}$	**Epinamel PR250**	75	**Epinamel EB600MIO**	125	**Epinamel EB600MIO**	125	325	*	25+	15-25	10-15	10-15	10-15	10-25
EHB6 9027	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel DTM985 MIO**	125	**Epinamel DTM985 MIO**	125	325	*	25+	25+	25+	10-15	15-25	10-25
EHB6 9104	Sa2$^{1/2}$	**Galvit EP100**	75	**Epinamel EB600MIO**	125	**Epinamel EB600MIO**	125	325	*	25+	25+	25+	10-15	15-25	10-25
EHB6 9028	Sa2$^{1/2}$	**Galvit ES600**	75	**Epinamel DTM985 MIO**	125	**Epinamel DTM985 MIO**	125	325	*	25+	25+	25+	10-15	15-25	10-25
EHB6 9105	Sa2$^{1/2}$	**Galvit ES600**	75	**Epinamel EB600MIO**	125	**Epinamel EB600MIO**	125	325	*	25+	25+	25+	10-15	15-25	10-25

^ Some colours may require multiple coats to achieve opacity, - Not applicable, * Suitable for this category but not economical. ‡ Refer to AS1627.1, AS1627.2, AS1627.4 and AS1627.9
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Paint Systems for Steel – Atmospheric Exposure (continued)

Coating Specification									Durability – Years to first maintenance of paint component of duplex system						
System No (Wattyl Protective Coatings System No)	Surface Preparation ‡	1st Coat		2nd Coat		3rd Coat		Total DFT (µm)	Atmospheric corrosivity category						
		Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)		C1 Very Low	C2 Low	C3 Med	C4 High	C5-I Very High Industrial	C5-M Very High Marine	T Inland Tropical
EPOXY MASTIC - Surface Tolerant															
EPM3 9032	St3	**Epinamel DTM985**	200	**Epinamel DTM985**	200	**-**	-	400	*	15-25	10-15	5-10	2-5	2-5	10-15
INORGANIC ZINC SILICATE															
IZS1 9033	$Sa2^{1/2}$	**Galvit ES600**	75	**-**	-	**-**	-	75	25+	25+	15-25	10-15	2-5	5-10	15-25
POLYURETHANE - Solvent borne, two pack															
PUR1 9034	St3	**Epinamel DTM985**	125	**Poly U400^**	50	**-**	-	175	*	10-15	5-10	2-5	-	-	5-15
PUR2 9035	$Sa2^{1/2}$	**Epinamel PR250**	75	**Poly U400^**	50	**-**	-	125	25+	10-25	5-10	2-5	-	-	5-15
PUR2a 9124	$Sa2^{1/2}$	**Galvit EP100**	75	**Poly U750^**	75	**-**	-	150	25+	15-25	10-15	5-10	2-5	2-5	10-15
PUR3 9036	$Sa2^{1/2}$	**Epinamel PR250**	75	**Epinamel DTM985**	125	**Poly U400^**	50	275	*	25+	15-25	10-15	5-10	5-10	15-25
PUR3 9106	$Sa2^{1/2}$	**Epinamel PR250**	75	**Epinamel EB600**	125	**Poly U400^**	50	275	*	25+	15-25	10-15	5-10	5-10	15-25
PUR3 9107	$Sa2^{1/2}$	**Epinamel PR250**	75	**Epinamel DTS680**	125	**Poly U400^**	50	275	*	25+	15-25	10-15	5-10	5-10	15-25
PUR4 9037	$Sa2^{1/2}$	**Galvit EP100**	75	**Epinamel DTM985**	125	**Poly U400^**	50	275	*	25+	15-25	10-15	5-10	5-10	15-25
PUR4 9108	$Sa2^{1/2}$	**Galvit EP100**	75	**Epinamel EB600**	125	**Poly U400^**	50	275	*	25+	15-25	10-15	5-10	5-10	15-25
PUR4 9109	$Sa2^{1/2}$	**Galvit EP100**	75	**Epinamel DTS680**	125	**Poly U400^**	50	275	*	25+	15-25	10-15	5-10	5-10	15-25
PUR4 9038	$Sa2^{1/2}$	**Galvit ES600**	75	**Epinamel DTM985**	125	**Poly U400^**	50	275	*	25+	15-25	10-15	5-10	5-10	15-25
PUR4 9110	$Sa2^{1/2}$	**Galvit ES600**	75	**Epinamel EB600**	125	**Poly U400^**	50	275	*	25+	15-25	10-15	5-10	5-10	15-25
PUR4 9111	$Sa2^{1/2}$	**Galvit ES600**	75	**Epinamel DTS680**	125	**Poly U400^**	50	275	*	25+	15-25	10-15	5-10	5-10	15-25
PUR5 9039	$Sa2^{1/2}$	**Galvit EP100**	75	**Epinamel DTM985**	200	**Poly U400^**	50	325	*	25+	25+	25+	15-25	15-25	25+
PUR5 9112	$Sa2^{1/2}$	**Galvit EP100**	75	**Epinamel DTS680**	200	**Poly U400^**	50	325	*	25+	25+	25+	15-25	15-25	25+
PUR5 9040	$Sa2^{1/2}$	**Galvit ES600**	75	**Epinamel DTM985**	200	**Poly U400^**	50	325	*	25+	25+	25+	15-25	15-25	25+
PUR5 9113	$Sa2^{1/2}$	**Galvit ES600**	75	**Epinamel DTS680**	200	**Poly U400^**	50	325	*	25+	25+	25+	15-25	15-25	25+
PUR6 9041	St3	**Epinamel PR250**	75	**Epinamel PR250**	75	**Poly U750^**	75	225	*	15-25	10-15	5-10	2-5	2-5	5-15
PUR7 9042	$Sa2^{1/2}$	**Galvit EP100**	75	**Epinamel PR250**	75	**Poly U750^**	75	225	*	25+	15-25	10-15	5-10	5-10	10-15

^ Some colours may require multiple coats to achieve opacity, - Not applicable, * Suitable for this category but not economical. ‡ Refer to AS1627.1, AS1627.2, AS1627.4 and AS1627.9
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Paint Systems for Hot Dip Galvanised Steel to AS/NZS 4680 – Atmospheric Exposure

Coating Specification									Durability – Years to first maintenance of paint component of duplex system			
System No (Wattyl Protective Coatings System No)	Surface Preparation ‡	1st Coat		2nd Coat		3rd Coat		Total DFT (µm)	Atmospheric corrosivity category			
		Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)		C2 Low	C3 Med	C4 High	C5 Very High
1D 9044	Degrease, wash and dry	**AquaPrep Galvanised Iron Primer**	25	**Wattyl Solagard^**	50	-	-	75	5-10	5-10	-	-
2D 9051	Sweep abrasive blast	**Epinamel PR250 (Olive Green)**	75	**Poly U750^**	100	-	-	175	10-15	10-15	5-10	-
2D 9052	Sweep abrasive blast	**Epinamel PR360ZPS**	75	**Poly U750^**	100	-	-	175	10-15	10-15	5-10	-
3I 9047	Sweep abrasive blast	**Epinamel PR250 (Olive Green)**	75	**Epinamel DTM985**	150	-	-	225	>15	10-15	10-15	5-10
3I 9114	Sweep abrasive blast	**Epinamel PR250 (Olive Green)**	75	**Epinamel EB600**	150	-	-	225	>15	10-15	10-15	5-10
3I 9115	Sweep abrasive blast	**Epinamel PR250 (Olive Green)**	75	**Epinamel DTS680**	150	-	-	225	>15	10-15	10-15	5-10
3I 9125	Sweep abrasive blast	**Epinamel PR360ZPS**	75	**Epinamel DTM985**	150	-	-	225	>15	10-15	10-15	5-10
3I 9116	Sweep abrasive blast	**Epinamel PR360ZPS**	75	**Epinamel EB600**	150	-	-	225	>15	10-15	10-15	5-10
3I 9117	Sweep abrasive blast	**Epinamel PR360ZPS**	75	**Epinamel DTS680**	150	-	-	225	>15	10-15	10-15	5-10
4D 9084	Sweep abrasive blast	**Epinamel DTM985**	250	**Poly U750**	100	-	-	350	>15	>15	10-15	5-10
4I 9045	Sweep abrasive blast	**Epinamel DTM985 MIO**	350	-	-	-	-	350	>15	>15	10-15	5-10
5D 9085	Sweep abrasive blast	**Epinamel PR250 (Olive Green)**	75	**Epinamel DTM985**	225	**Poly U750**	100	400	>15	>15	>15	10-15
5D 9118	Sweep abrasive blast	**Epinamel PR250 (Olive Green)**	75	**Epinamel DTS680**	225	**Poly U750**	100	400	>15	>15	>15	10-15
5D 9119	Sweep abrasive blast	**Epinamel PR360ZPS**	75	**Epinamel DTM985**	225	**Poly U750**	100	400	>15	>15	>15	10-15
5D 9120	Sweep abrasive blast	**Epinamel PR360ZPS**	75	**Epinamel DTS680**	225	**Poly U750**	100	400	>15	>15	>15	10-15
5I 9048	Sweep abrasive blast	**Epinamel PR250 (Olive Green)**	75	**Epinamel DTM985 MIO**	325	-	-	400	>15	>15	>15	10-15
5I 9121	Sweep abrasive blast	**Epinamel PR360ZPS**	75	**Epinamel DTM985 MIO**	325	-	-	400	>15	>15	>15	10-15

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Recommended Systems for Non-Atmospheric Exposure

Coating Specification										
System No (Wattyl Protective Coatings System No)	Surface Preparation ‡	Surface Profile (µm)	1st Coat		2nd Coat		3rd Coat		Total DFT (µm)	Remarks
			Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)		
POTABLE WATER IMMERSION										
EHB7 9056	Sa3	50-75	**Epinamel TL710**	150	**Epinamel TL710**	150	-	-	300	See notes 1,2
EVH2a 9086	Sa3	50-100	**Epinamel TL770SF**	450	-	-	-	-	450	
EVH3a 9057	Sa3	50-75	**Epinamel TL710**	250	**Epinamel TL710**	250	-	-	500	
EVH3a 9122	Sa3	50-75	**Epinamel DTM985**	250	**Epinamel DTM985**	250	-	-	500	
SEAWATER IMMERSION										
EUH2 9058	$Sa2^{1/2}$	75-100	**Epinamel UHB1000**	1500	**Epinamel UHB1000**	1500	-	-	3000	See notes 1,2
EVH2 9087	$Sa2^{1/2}$	50-75	**Epinamel DTM985**	450	-	-	-	-	450	
EVH3 9059	$Sa2^{1/2}$	50-75	**Epinamel TL710**	250	**Epinamel TL710**	250	-	-	500	
EVH3 9060	$Sa2^{1/2}$	50-75	**Epinamel DTM985**	250	**Epinamel DTM985**	250	-	-	500	
EVH3 9061	$Sa2^{1/2}$	50-75	**Epinamel MF920**	250	**Epinamel MF920**	250	-	-	500	
SEAWATER SPLASH										
EUH3 9062	$Sa2^{1/2}$	75-100	**Epinamel UHB1000**	1000	-	-	-	-	1000	See notes 1,2
EVH2 9123	$Sa2^{1/2}$	50-75	**Epinamel DTM985**	400	-	-	-	-	400	
EVH3 9063	$Sa2^{1/2}$	50-75	**Epinamel DTM985**	250	**Epinamel DTM985**	250	-	-	500	
EVH3 9064	$Sa2^{1/2}$	50-75	**Epinamel MF920**	250	**Epinamel MF920**	250	-	-	500	
EVH3 9065	$Sa2^{1/2}$	50-75	**Epinamel TL710**	250	**Epinamel TL710**	250	-	-	500	

^ Some colours may require multiple coats to achieve opacity, - Not applicable, * Suitable for this category but not economical. ‡ Refer to AS1627.1, AS1627.2, AS1627.4 and AS1627.9
Products nominated in the above systems comply with the minimum performance levels nominated by AS/NZS 2312.1:2014 but may not carry APAS approval. Refer to product technical data sheet for approvals.
Durability years nominated are a guide defined by AS/NZS 2312.1:2014 and do not constitute a Valspar warranty.

Recommended Systems for Non-Atmospheric Exposure (continued)

Coating Specification										
System No (Wattyl Protective Coatings System No)	Surface Preparation ‡	Surface Profile (µm)	1st Coat		2nd Coat		3rd Coat		Total DFT (µm)	Remarks
			Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)	Wattyl Product	Nom DFT (µm)		
BURIED IN SOIL										
EUH4 9068	$Sa2^{1/2}$	75-100	**Epinamel UHB1000**	1200	**Epinamel UHB1000**	1200	-	-	2400	
EVH2 9069	$Sa2^{1/2}$	50-75	**Epinamel DTM985**	450	-	-	-	-	450	See notes 1,2
EVH3 9088	$Sa2^{1/2}$	50-75	**Epinamel DTM985**	250	**Epinamel DTM985**	250	-	-	500	
SEWERAGE										
EVH2 9089	$Sa2^{1/2}$	50-75	**Epinamel DTM985**	450	-	-	-	-	450	See notes 1,2
EVH3 9070	$Sa2^{1/2}$	50-75	**Epinamel DTM985**	250	**Epinamel DTM985**	250	-	-	500	
SEVERE INDUSTRIAL - ALKALINE SPLASH										
9071	$Sa2^{1/2}$	75-100	**Epinamel UHB1000**	1500	-	-	-	-	1500	See notes 1,3
EVH4 9072	$Sa2^{1/2}$	30-50	**Epinamel PR250 (Off White)**	75	**Epinamel TL710**	250	**Epinamel TL710**	250	575	
SEVERE INDUSTRIAL - SOLVENT IMMERSION										
IZS1 9073	$Sa2^{1/2}$	30-50	**Galvit ES600**	75	-	-	-	-	75	See notes 1,2,4; IZS1 exempt from notes 1,2
ETL1 9074	$Sa2^{1/2}$	30-50	**Epinamel TL710**	200	**Epinamel TL710**	200	-	-	400	
EPOXY PHENOLIC	$Sa2^{1/2}$	75-100	**Epinamel TL725SF**	500	**Epinamel TL725SF**	500	-	-	1000	See notes 1,2
HIGH TEMPERATURE										
HR3 9075	$Sa2^{1/2}$	-	**Galvit ES600**	75	-	-	-	-	75	Maximum Heat Resistance 400ºC

^ Some colours may require multiple coats to achieve opacity, - Not applicable, * Suitable for this category but not economical. ‡ Refer to AS1627.1, AS1627.2, AS1627.4 and AS1627.9
Products nominated in the above systems comply with the minimum performance levels nominated by AS/NZS 2312.1:2014 but may not carry APAS approval. Refer to product technical data sheet for approvals.
Durability years nominated are a guide defined by AS/NZS 2312.1:2014 and do not constitute a Valspar warranty.

Guide to AS/NZS 2312.1:2014

Notes:

1. All sharp edges, welds, corners, bolts, nuts holes etc shall be stripe coated by brush with each coat prior to full coat application.
2. Where coating is under immersion and/or buried, testing for holidays/pinholes in accordance with Information Sheet I-23 is required.
3. To prevent coating damage, clean up all spills immediately.
4. Refer to Wattyl Protective Coatings document I-19 Tank Lining Resistance Guide for suitable cargoes.

(^) Some colours may require multiple coats to achieve desired film build and opacity

(-) Not applicable

(*) Suitable for this category but not economical

(‡) Refer to AS1627.1, AS1627.2, AS1627.4 and AS1627.9

wattyl® Protective Coatings

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

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