

Dulux Protective Coating System Specifications for

MT. MACEDON MEMORIAL CROSS BALUSTRADE

Prepared for:

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Project Address:	Mt. Macedon, Victoria
Specification No:	V24/685
Version Number:	1

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Doc Version: 27/05/2024

Protection you can count on.



MT. MACEDON MEMORIAL CROSS BALUSTRADE

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MT. MACEDON MEMORIAL CROSS BALUSTRADE

Schedule of Coating Systems

Item	Substrate	Specification No.	Colour
New external galvanised steel surfaces	Galvanised Steel	V24/685 /A	To approved standard

Specification Document No.

PROJECT: MT. MACEDON MEMORIAL CROSS BALUSTRADE SITE Mt. Macedon, Victoria EXPOSURE AS/NZS 4312:2019 Category C2 (low corrosivity) SUBSTRATE Galvanised Steel ITEM New external galvanised steel surfaces SCOPE To provide long term aesthetic protection to new external galvanised steel surfaces. REFERENCE Meets AS2312.2:2014 System 4D

V24/685 /A

Surface Preparation

PREFERRED PREPARATION FOR GALVANISED STEEL: Remove grease, oil and all other contaminants in accordance with AS1627.1. If solvent cleaning is used, a recommended solvent is Duthin 020. If an alkaline detergent is to be used, a recommended detergent is Gamlen CA 1 and then rinse thoroughly with potable water. Repeat until the surface is clean. Follow all manufacturer's written instructions and all safety warnings. Dry abrasive sweep (brush) blast clean in accordance with AS 2312.2:2014, Section 7.5.3 with non metallic media to remove oxides and surface contamination and to lightly profile the surface taking care not to fully remove the galvanising layer. The brush blasted surface should appear uniformly dull with a surface profile suitable for coating adhesion.

Remove all spent abrasive and residual dust by dry compressed air, vaccuum or sweeping with a clean brush. Avoid handling brush blasted galvanised steel with bare hands. Inspect the surface prior to application to ensure a clean and defect-free surface, otherwise rectification is required before any coating is applied. Apply initial coating within 4 hours and before any surface deterioration occurs. All edges, bolts, nuts and difficult to coat areas require extra brushing-in & stripe coating to achieve adequate coating thicknesses.

PROFILE: Minimum 10 microns; Maximum 30 microns

Coating Sy	stem									
	Material	Product	Catalyst	Data Sheet	Thinner	Application	<u>% Vol Solids[#]</u> Spread Rate	Film Build	WFT**	DFT*
1 st Coat	DUREBILD STE	775-LINE	976-84539	PC565	EPOXY	B, R, CS or AS	84%	MIN (REC)	185µm	150µm
					IHINNER		5.6 m²/l @ 150µm	MAX	240µm	200µm
				Mi	n recoat time =	14 HOURS	Max reco	at time =	5 DAYS	
2 nd Coat	DUREBILD STE	775-LINE	976-84539	PC565	EPOXY THINNER	B, R, CS or AS	84%	MIN (REC)	185µm	150µm
					920 08925		5.6 m²/l @ 150µm	MAX	240µm	200µm
				Mi	n recoat time =	14 HOURS	Max reco	oat time =	5 DAYS	
3 rd Coat	WEATHERMAX HBR	770-Line	976-84593	PC 405	DUTHIN 040	B, R, CS or AS	70%	MIN (REC)	115µm	75µm
					965 42166		9.3 m²/l @ 75µm	MAX	180µm	125µm
				Mi	n recoat time =	10 HOURS	Max reco	at time =	3 DAYS	
4th Coat	None							(REC)		
								MAX		
				Mi	n recoat time =		Max reco	at time =		
AAS = Air Assisted Spray, AS = Airless Spray, B = Brush, CS = Conventional Spray, HVLP = High Volume, Low Pressure Spray, R = Roller, T = Trowel * If application is by brush or roller, further coats may be necessary to achieve the recommended DFT and full opacity.										

** WFT is thickness of wet paint required to achieve the specified 'Dry Film Thickness' assuming no thinner is added. # %Vol Solids is of untinted White or Light Base Dry & Recoat times apply to a single coat at 25°C and 50% Relative Humidity. Dry times are longer at lower temperatures and/or higher humidity.

Specific Recommendations and Comments

The DFT of galvanising will vary depending in the gauge of steel, therefore DFT readings must be taken and recorded prior to application of coating in order to obtain accurate measurements of the individual coats and total paint system applied.

The use of Weathermax Part C Accelerator is permitted and recommended within this specification to improve drying times, resistance to moisture and throughput.

All products must be applied strictly in accordance with this specification and relevant Product Data Sheets and SDS (available from www.duluxprotectivecoatings.com.au) by experienced applicators. The applicator must ensure that all colours supplied match the approved standard prior to commencement. Specification details (such as hardener choice) depend on climatic conditions at application time and should be reviewed with your Dulux Representative prior to application. The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate; if lead is present, a customised specification must be obtained from Dulux Australia, and the work done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.

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REVIEWED BY:	Chris Eldred	DATE:	29-Oct-24			
Disclaimer						
Please ensure you	lease ensure you have read and understood the Disclaimer and all Explanatory Notes within this specification. Refer to the Explanatory Notes Page.					

DULUX PROTECTIVE COATINGS SPECIFICATION

Pre	oject:	MT. MACEDON MEMORIAL CROS	SS BALUSTRADE			
SPI	ECIFICATION NO.	V24/685				
Ev	nlanatory Notos					
1	This specification should	d only be carried out by applicators experienced i	n applying these products			
2	This is an abridged spec	cification and must be read and carried out accord	ding to the relevant produ	ct data sheets, detailed application instructions,		
3	All products must be ap	plied strictly in accordance with the specification a	and relevant Product Data	a Sheets and SDS available from		
4	The applicator must en	sure that all colours supplied match the approved	standard prior to comme	encement.		
5	The use of a thinner oth	er than that nominated herein must not be used v	without the written conser	t of your Dulux Protective Coatings		
~	Representative.	protocted from the elements and contamination d	uring coating ours to achi	ove entimum performance and eacthetice		
7	System service life is de	ependent upon conditions.	uning coating cure to actin	eve opumum performance and aesthetics.		
8	Pay particular attention be stripe coated to achie	to edges to prevent edge corrosion. Sharp edges eve recommended DFT for optimum service life.	must be mechanically gr	ound off to a minimum of 2mm radius. Edges must		
9	Practical spreading rate methods and environme	s will vary from quoted theoretical figures depend ental conditions (e.g. wind, temperature, humidity	ling on substrate roughne , etc).	ss and porosity, overspray losses, application		
10	Application techniques additional coats are usu	should be adjusted, or additional coats applied, in ally required to achieve the specified DFT.	order to achieve the spe	cified DFT. Thus if application is by brush or roller,		
11	Dry times apply to a sing	gle coat at 25°C and 50% Relative Humidity. Dry	times are generally longe	r at lower temperatures and/or higher humidity.		
12	Do not apply paint if Rel within 3°C of Dew Point	lative Humidity is above 85% or if the surface tem	perature exceeds the ma	ximum quoted on the technical data sheet or is		
13	Do not apply paint if the data sheet or by your D	surface temperature is below 10°C or likely to fal ulux Protective Coatings Representative.	l below 10°C during the c	uring period unless otherwise stated, either in the		
14	The specification(s) in the customer or customer's concentration in contact	nis document have been selected by Dulux as be authorised agent at the time of issue. Changes t t with the coating(s) may also change the expecte	ing suitable for this projec o the exposure environme ed performance of the coa	t based upon the information given to Dulux by the ent and conditions, or changes to chemicals or their tings specified.		
15	Specification details (su that you review this spe	ch as choice of hardener) depend on several ass cification with your Dulux Representative prior to	umptions (such as climat application.	ic conditions at time of application). Dulux suggests		
16	The asset manager is re work shall be carried ou	esponsible for verifying the presence of lead and It in strict accordance with AS 4361 Parts 1 and 2	determining if removal or 2 and Worksafe Australia	encapsulation is justified. If lead is present, the guidelines.		
17	Prior to a Project comm Warranty will be require	encing, a Dulux representative must be notified ir d. No Warranty will be issued if Dulux is notified a	n advance that a Dulux Co after the commencement	pating System will be applied to the Project and a or completion of a Project		
18	This specification is not commencing.	a warranty document. A draft warranty document	should be obtained from	Dulux along with the specification prior to the work		
Ad	ditional Notes co	ommon to all Specifications for th	is Project			
Ens thor	ure that the recoat windo oughly abraded to provio	w is strictly adhered to for optimum intercoat adh de the maximum intercoat adhesion possible.	esion. If topcoating outsic	le the recoat window, the previous coating must be		
Duli	ux recommends that chro	omate quenching not be used for surfaces that ar	e to be painted.			
The mac of w	Applicator shall maintair le available for inspection ork.	n records in accordance with AS3894 Parts 10, 1 n at any time by the Project Manager or authorise	1, 12, 13 & 14 or as requi d Representative and su	red by the Project Manager. These records shall be bmitted to the Principal Contractor upon completion		
Du	lux Contacts					
PRE		Daniel McKeown Chris Eldrod	PHONE:	0423 024 287 29-October-2024		
Die	sclaimer		DATE:			
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In pr limita inace envir resu entir	In preparing this specification, Dulux has relied on the information provided to it by the asset owner, builder, architect, applicator and/or specifier, as applicable, including, without mitation, the exposure environment (the 'Briefing Information). To the maximum extent permitted by law, Dulux excludes all liability for this specification being incomplete, accurate, deficient, defective or non-optimal as a result of reliance on the Briefing Information being complete and accurate, or as a result of changes to the exposure invironment or application conditions. Where any liability of Dulux in respect of this Specification cannot by law be excluded, Dulux's liability is limited, as permitted by law, to esupply of the relevant products or services or to reimbursing the cost of those products or services. This Specification is copyright to Dulux and may only be reproduced in its interty. It may not be varied or altered without the prior written consent of Dulux, and if it is, Dulux has no responsibility or liability for those variations.					
DU	LUX is a Quality Endorse	ed Company - International Standards ISO9001,	ISO9002 & Australian Sta	ndards AS3901, AS3902.		

DULUX PROTECTIVE COATINGS SPECIFICATION

SPECIFICATION NO. V24/685 Additional Notes common to all Specifications for this Project The coating shall be free from sagging, streaking, runs, dry spray, mud cracking and foreign bodies when viewed by the naked eye. All areas damaged through handing, transportation and installation must be reinstated to the specified thicknesses. (Refer to the Coating Repair Guidelines in this specification for rectification details) Dulux Contacts PREPARED DY: Daniel McKeown PREFARED DY: Daniel McKeown PHONE: 6423 024 287 REVEWDB BY: Chris Eldrad Data: 29-Ottober-2024 Disclaimer Note of the Remain of the respected by sprovide the specification group (New Zonter) (New Zo	RIAL CROSS BALUSTRADE								
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DULUX PROTECTIVE COATINGS SPECIFICATION

Project: MT. MACEDON MEMORIAL CROSS BALUSTRADE SPECIFICATION NO. V24/685 **Coating System Repair Procedure Notes** General Comments: As a general guide, for items where a high level of aesthetic finish is required, all repairs should be kept to a minimum in surface area, ie feathered out to approximately 10mm around the damaged area. A small brush may be necessary to apply the repair coats, If the defects are numerous and scattered, it is recommended to apply the topcoat to a break (ie a weld or edge). Full lengths of beams and columns may need to be painted to ensure a uniform and even appearance. To achieve opacity and sufficient dry film thickness, multiple coats may be required of each laver. 2 If only the finish coat has been damaged: In the areas where only the finish coat is damaged, these areas are to be thoroughly washed to remove all surface contamination [refer AS 1627.1]. Damaged areas are to be hard sanded to remove any damaged coating and ensure all edges are feathered. Adjacent surfaces around the damaged area are also to be sanded to provide a key for the subsequent coatings. If the finish coat is outside its recoat window, a coat of primer will need to be applied. The finish coat is to be applied as per the original specification with the correct film thickness being achieved. The finish coat shall be applied to the next natural change of direction or where the recoating will not be noticeable. A minimum of 50mm overlap onto sound coating is required. Note: Brush and roller application will require multiple coats to achieve the specified dry film thickness in the original schedule. Refer to the original system for guidance on sequence and target film thicknesses. 3 If the finish and intermediate coats have been damaged: In the areas where the damage is back to finish and intermediate coats, these areas are to be thoroughly washed to remove all surface contamination [refer AS 1627.1]. Damaged areas are to be hard sanded to remove any damaged coating and ensure all edges are feathered. Adjacent surfaces around the damaged area are also to be sanded to provide a key for the subsequent coatings. The intermediate and finish coats are to be applied as per the original specification with the correct film thickness being achieved. The repairs shall be applied to the next natural change of direction or where the recoating will not be noticeable. A minimum of 50mm overlap onto sound coating is required. Note: Brush and roller application will require multiple coats to achieve the specified dry film thickness in the original schedule. 4 If all layers in the system have been damaged: In the areas where the damage is through all coats in the system, these areas are to be thoroughly washed to remove all surface contamination [refer AS 1627.1]. Damaged areas are to be hard sanded to remove any damaged coating and ensure all edges are feathered. Adjacent surfaces around the damaged area are also to be sanded to provide a key for the subsequent coatings. The primer, intermediate and finish coats are to be applied as per the original specification with the correct film thickness being achieved. The repairs shall be applied to the next natural change of direction or where the recoating will not be noticeable. A minimum of 50mm overlap onto sound coating is required. Note: Brush and roller application will require multiple coats to achieve the specified dry film thickness in the original schedule 5 If the damage is back to the substrate: In the areas where the damage is back to the substrate, these areas are to be thoroughly washed to remove all surface contamination [refer AS 1627.1]. Substrate spot repairs need to be carried out to the originial specification. Refer to the specification writer if further clarification is required. Damaged areas are to be spot prepared using relevant power tool cleaning techniques. Existing coatings should be hard sanded to remove any damaged coating and ensure all edges are feathered. Adjacent surfaces around the damaged area are also to be sanded to provide a key for the subsequent coatings. The primer, intermediate and finish coats are to be applied as per the original specification with the correct film thickness being achieved. Any bare steel areas must be spot primed within 4 hours of surface preparation completion. The repairs shall be applied to the next natural change of direction or where the recoating will not be noticeable. A minimum of 50mm overlap onto sound coating is required. Note: Brush and roller application will require multiple coats to achieve the specified dry film thickness in the original schedule. 6 Note: These recommendations are for general atmospheric service systems. If the exposure is related to immersion, chemical service a specific site refurbishment specification should be requested from the specification writer. For repairs on intumescent coating refer to point 16 on the page of intumescent coatings notes in this specification. Additional Coating Repair Notes All areas damaged through handling, transportation and installation must be reinstated to the specified thicknesses. (Refer to the Coating Repair Guidelines in this specification for rectification details) Specification conformance requires the dry film thickness targets to be met, NOT the number of coats applied. If the nominated dry film thickness for each coat in above table is not achieved in a single application, additional coats MUST be applied to ensure that the specified film thickness for each coat is achieved. Inadequate film thickness of one coat in the system cannot be rectified by increasing the thickness of successive coats in the system. The DFT of the existing coating system will vary, therefore DFT readings must be taken and recorded prior to application of coating in order to obtain accurate measurements of the individual coats and total paint system applied. **Dulux Contacts** PREPARED BY: Daniel McKeown 0423 024 287 PHONE. REVIEWED BY: Chris Eldred 29-October-2024 DATE: Disclaimer Please ensure you have read and understood the Disclaimer and all Explanatory Notes within this specification. Refer to the Explanatory Notes Page DULUX is a Quality Endorsed Company - International Standards ISO9001, ISO9002 & Australian Standards AS3901, AS3902.