

Coatings

Coating specification



All Urban Lighting Group steel products are coated to provide a long service life free of corrosion. We offer 5 different coating systems which cover all kinds of uses and environments.

Hot dip galvanizing

This coating provides the primary corrosion protection for our products, either as a standalone system or as the base for our decorative powdercoat or paint systems. Our galvanizing complies with AS 4680 and with AS/NZS 2312.2 System HDG500.

Powdercoating

Powdercoating is an epoxy powder which is sprayed on, and then heated to fuse into a high-quality durable finish. Our powdercoat system complies with AS 4506.

Standard paint

Standard paint provides the long term corrosion protection of hot dip galvanizing, combined with a long lasting decorative paint finish. After galvanizing, we apply an epoxy primer, followed by 2 coats of 2 pack acrylic gloss.

Premium paint

Premium paint provides additional protection for more severe environments. After galvanizing, we apply a 2-pack epoxy primer, followed by 2 coats of 2 pack acrylic gloss. This paint system complies with AS/NZS 2312.2 System 2D.

Ultra-premium paint

Ultra-premium paint provides the maximum protection for the most severe environments. After galvanizing, we apply a high build 2 pack epoxy, followed by 2 coats of 2 pack acrylic gloss. This paint system complies with AS/NZS 2312.2 System 4D.

Coating specification

System	Standard	Life to first maintenance for corrosivity categories (years, durability class)					
		Paint or powdercoat ¹			Complete system		
		C3	C4	C5	C3	C4	C5
Hot Dip Galvanizing	AS/NZS2312.2 HDG500	n/a	n/a	n/a	33-100 EL	16-33 VL	8-16 L
Powdercoating	AS 4506				25+ EL	25+ EL	n/a
Standard Paint		10-15 L	n/a	n/a	25+ EL	25+ EL	8-16 L
Premium Paint	AS/NZS 2312.2 System 2D	10-15 L	5-10 M	n/a	25+ EL	25+ EL	8-16 L
Ultra-Premium Paint	AS/NZS 2312.2 System 4D	> 15 VL	10-15 L	5-10 M	25+ EL	25+ EL	13-25+ VL

Definitions

These definitions are provided as a guide, see AS/NZS 2312.2:2014 for further information.

Life to first maintenance	The time before the coating system will need to undergo maintenance to restore corrosion protection, and restore appearance of painted or powdercoated finishes.	
Durability classes	Medium term (M)	5 to 10 years
	Long term (L)	10 to 15 years
	Very long term (VL)	15 to 25 years
	Extra long term (EL)	Greater than 25 years
Corrosivity categories	Category C3 (Medium) Low salinity coastal areas	
	Sheltered bays	50m to 1000m from the shoreline.
	Less sheltered coastline	100m to 3-6km inland.
	Breaking surf coasts	1km to 10-50km inland
	Category C4 (High) Coastal areas	
	Sheltered bays	Shoreline to 50m inland.
	Breaking surf coasts	500m to 1000m from the shoreline.
	Category C5 (Very high) Offshore and beachfront	
	Breaking surf coasts	Shoreline to 1000m inland.

¹ Powdercoat systems will change their appearance over time depending on the environment and maintenance regime. Changes may include loss of gloss, chalking, discolouration and erosion. AS 4506 does not specify durability classes for powder coatings. See DS-3091 for coating warranties. See DS-3134 for cleaning and maintenance recommendations.