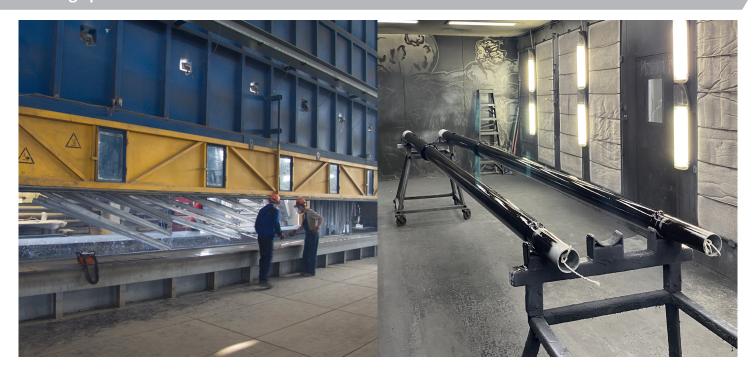
## **Coatings**

## **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.







# **Coatings**

## **Coating specification**

System	Standard	Life to first maintenance for corrosivity categories (years, durability class)					
		Paint or powdercoat <sup>1</sup>			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.

500m to 1000m from the shoreline. Breaking surf coasts

Category C5 (Very high) Offshore and beachfront

Breaking surf coasts Shoreline to 1000m inland.

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.





