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Specification Sheet

Immersed Specification Z6

Galvanized Steelwork

New Construction

Environment ISO 12944:

Im1 - Immersed in Fresh Water / **Im2** - Immersed in Sea or Brackish Water / **Im3** - Buried in Soil

Durability (Life to First Major Maintenance): - Dependent on Service Conditions

Surface Preparation:

Flash/Sweep blast using a non-metallic abrasive. Average surface profile of 20-30 microns.

Coat	Product	Product Type	Film Thickness μm		TSR (sqm/ltr)	Volume Solids %	Mixing Ratio	Pot Life 23°C
			Dry	Wet				
1st	Macropoxy™ L574	Epoxy Blast Primer	25	86	11.6	29	4 : 1	8 hrs
2nd	Macropoxy L524	Epoxy Barrier Primer	125	195	5.1	64	3 : 1	6 hrs
3rd	Macropoxy L524	Epoxy Barrier Primer	125	195	5.1	64	3 : 1	6 hrs

TSR = Theoretical Spread Rate

Product Code	Thinners	Touch Dry 15°C	Recoat 15°C	Touch Dry 23°C	Recoat 23°C	Sag Tolerance	Colour Range	Pack Size	Product Information
L574	No.5 for Cleaning	10 mins	4 hrs	3 mins	2 hrs	50 μm d.f.t	Limited Range	20 & 5 ltr	L574 Data Sheets and Information
L524	No.5	8 hrs	16 hrs	6 hrs	12 hrs	225 μm d.f.t	Limited Range	2 & 4 ltr	L524 Data Sheets and Information
L524	No.5	8 hrs	16 hrs	6 hrs	12 hrs	225 μm d.f.t	Limited Range	2 & 4 ltr	L524 Data Sheets and Information

D.F.T = Dry Film Thickness

Notes:

- 1 Dry film thicknesses (d.f.t.) quoted are NOMINAL as defined by BS EN ISO 12944-5.
- 2 Design life will vary depending on service conditions, eg wetness, pH and temperature, and is based on the coating not suffering mechanical damage during installation.
- 3 The durability is in this case related to the paint system adhesion, to the hot dip galvanized surface. In case of damaged paint systems, the remaining hot dip galvanized layer delivers further protection to the steel.
- 4 Where break-down has occurred in galvanizing and the underlying steel is corroding, any rust areas must be prepared by spot blasting to Sa2½ or mechanically cleaning to a minimum St3. The edges of surrounding galvanizing should be feathered off, and the prepared area primed with Zinc Clad™ IV EU or Macropoxy™ M902 overlapping onto the feathered edges.
- 5 All epoxy coatings will discolour and chalk progressively. Later application (site touch-up) may be noticeable.
- 6 All materials should be obtained from Sherwin-Williams and must be applied in accordance with our technical data sheets.
- 7 This specification is offered as guidance only. To ensure that the most appropriate materials are used, please contact Sherwin-Williams with the project details.