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# Specification Sheet

## Functional Specification **Z4**

### Galvanized Steelwork

New Construction

#### Environment ISO 12944:

**C3** - Urban atmospheres with moderate sulphur dioxide pollution. Production rooms with high humidity and some air pollution / **C4** - Industrial Areas, Chemical Plants Swimming Pools Etc. / **C5** - Industrial areas with high humidity & aggressive atmosphere / Coastal areas with high salinity.

**Durability (Life to First Major Maintenance):** - Up to 20 Years

#### Surface Preparation:

**Option 1:** Flash/Sweep blast using a non-metallic abrasive. Average surface profile of 20-30 microns.

**Option 2:** Clean and degrease with diluted [Degreaser™ W500](#), fresh water rinse and allow to dry. Once dry apply [Mordant Wash™ L703](#) as per the technical data sheets.

Coat	Product	Product Type	Film Thickness µm		TSR (sqm/ltr)	Volume Solids %	Mixing Ratio	Pot Life 23°C
			Dry	Wet				
1st	Macropoxy™ K267	Epoxy Undercoat / MIO	75	114	8.8	66	4 : 1	2hrs
2nd	Macropoxy™ K267	Epoxy Undercoat / MIO	75	114	8.8	66	4 : 1	2hrs

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
K267	No.5 for Thinning and Cleaning	3 hrs	6 hrs	2 hrs	4 hrs	200µm d.f.t	LG & DK Grey MIO	20 & 5 ltr	<a href="#">K267 Data Sheets and Information</a>
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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 ISO12944 states that Durability is not a guarantee time. Durability should be considered as the coating design life, where regular minor maintenance should be scheduled to achieve the required life to first major maintenance.
- 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 Limited Colour Range.
- 5 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.
- 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.