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Specification Sheet

ISO 12944-5 Ref: (C1F)

Steelwork

New Construction

Environment to ISO12944-2: C1 Environment - Heated buildings with clean atmospheres.

Durability (Life to First Major Maintenance): High Durability (15-25 years)

Surface Preparation: Blast Clean to Sa2½ BS EN ISO 8501-1:2007 - Surface Profile between 50 - 75µm

Coat	Product	Product Type	Film Thickness µm		TSR (sqm/ltr)	Volume Solids %	Mixing Ratio	Pot Life 23°C
			Dry	Wet				
1st	Macropoxy® 400	Zinc Phosphate Epoxy	75	107	9.3	70	7 : 1	1½ hrs

TSR = Theoretical Spread Rate

Product Code	Thinner / Cleansers	Touch Dry 15°C	Recoat 15°C	Touch Dry 23°C	Recoat 23°C	Sag Tolerance	Colour Range	Pack Size	Product Information
400	No.2 for Thinning - No.9/13 for Cleaning	1½ hrs	5 hrs	1 hr	3½ hrs	400µm d.f.t	Limited Inc, MIO	20 & 5 ltr	400 Data Sheets and Information

D.F.T = Dry Film Thickness

If steelwork which is specified for a service life in a low corrosivity Environment: (i.e. C1, C2) is initially transported, stored or exposed during the construction phase in a higher corrosive category (C3 or above); corrosion may commence before the coated steel enters its expected service conditions. To avoid this problem, the coated steel must either be protected during the transport / storage / construction phases; or alternatively, consideration should be given to increase the dry film thickness applied, to give appropriate protection to the steel during the conditions of higher corrosivity.

Notes:

- 1 Dry film thicknesses (d.f.t.) quoted are minimum 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 Coated steelwork should be protected to prevent prolonged contact with water, e.g. ponding.
- 4 All epoxy coatings will discolour and chalk progressively. Later application (site touch-up) may be noticeable.
- 5 All materials should be obtained from Sherwin-Williams® and must be applied in accordance with our product data sheets.
- 6 For fire protection systems, please contact Sherwin-Williams®.
- 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.