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Specification Sheet

ISO 12944-5 Ref: (C3D)

Steelwork

New Construction

Environment to ISO12944-2: C3 Environment - Urban atmospheres with moderate sulphur dioxide pollution. Production rooms with high humidity and some air pollution.

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 | 125 | 179 | 5.6 | 70 | 7 : 1 | 1½ hrs |
| 2nd | Acrolon® 7300 Gloss or Semi-Gloss | Acrylic Polyurethane | 55 | 81 | 12.4 | 68 | 10 : 1 | 2 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 |
| 7300 | No.15 for Thinning - No. 5 for Cleaning | 4 hrs | 9 hrs | 1 hr | 7 hrs | 150µm d.f.t | Wide Range | 20 & 5 ltr | 7300 Data Sheets and Information |

D.F.T = Dry Film Thickness

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 Stripe coat all edges, welds and areas of difficult access, to ensure full film thickness.
- 4 Coated steelwork should be protected to prevent prolonged contact with water, e.g. ponding.
- 5 Subject to shade and method of application, multiple coats of the finish coat may be required to achieve the dft/ full colour obliteration.
- 6 All materials should be obtained from Sherwin-Williams® and must be applied in accordance with our product data sheets.
- 7 Certification available from Sherwin-Williams® Technical Customer Support.
- 8 For fire protection systems, please contact Sherwin-Williams®.
- 9 This specification is offered as guidance only. To ensure that the most appropriate materials are used, please contact Sherwin-Williams® with the project details.