



Tel: 01204 556 457  
[technicale@sherwin.com](mailto:technicale@sherwin.com)

# Specification Sheet

ISO 12944-5 Ref: (C4F)

Steelwork

New Construction

ISO12944-5 : C4 Environment - Industrial Areas, Chemical Plants and Swimming Pools Etc.  
 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<br>(sqm/ltr) | Volume<br>Solids % | Mixing<br>Ratio | Pot Life<br>23°C |
|------|----------------|----------------------|-------------------|-----|------------------|--------------------|-----------------|------------------|
|      |                |                      | Dry               | Wet |                  |                    |                 |                  |
| 1st  | Macropoxy™ 400 | Zinc Phosphate Epoxy | 240               | 343 | 2.9              | 70                 | 7 : 1           | 1½ hrs           |

TSR = Theoretical Spread Rate

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

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 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 product data sheets.
- 7 Dry film thickness can be applied as 1 or 2 coats.
- 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.