METALSHIELD® QD TOPCOAT
Quick Dry Gloss Alkyd Enamel

FEATURES
• HIGH GLOSS FINISH
• RAPID DRY & RECOAT
• SINGLE PACK
• EXTENSIVE COLOUR RANGE USING COLORFAST® TINT SYSTEM
• LIMITED RANGE OF TOUCHUP SPRAYPAKS AVAILABLE

USES
METALSHIELD® QD TOPCOAT is ideal as a coating for steel in mild and commercial environments. The preferred coating where a fast dry, easy repair and recoat finish is required. METALSHIELD® QD TOPCOAT is particularly suitable for use with METALSHIELD® QD ENAMEL PRIMER for time-critical jobs. METALSHIELD® QD TOPCOAT is used to paint machinery and equipment such as cranes, trailers, pumps, compressors and as a general purpose fast dry enamel.

SPECIFICATIONS

WEATHERABILITY
Will chalk on exterior exposure. Chalking will not detract from the protective properties of the coating.

SOLVENTS
Resists mineral turpentine. Poor resistance to strong solvents

WATER
Resists rain and condensation. Not recommended for permanently damp or immersed exposure

ALKALIS
Not recommended where fumes, splash or spillage may occur

ABRASION
Good when fully cured

PHYSICAL PROPERTIES

COMPOSITION

COMPONENTS
One

VOLUME SOLIDS
38%

VOC LEVEL
<510 g/L (White)

FLASH POINT
-1°C

POT LIFE
Not applicable

MIXING RATIO V/V
Single pack

THINNER – BRUSH
965-H0010 Metalshield® Brush Thinner

THINNER – SPRAY
965-H0009 Metalshield® Spray Thinner

PRODUCT CODE
37163001 White/Light Base
37163002 Deep Base
37163003 Clear Base
37100070 Black
37139141 Golden Yellow
37150570 Metallic Silver
37100850 Mic Natural Grey
37150822 John Deere Green
37142412 New Caterpillar Yellow
37188680 Signal Red
37113760 Tractor Blue

COATING THICKNESS (MICRONS)

APPLICATION CONDITIONS
Min Max

Wet film per coat (µm)
80 130 105

Dry film per coat (µm)
30 50 40

SUITABLE SUBSTRATES
Suitably primed mild steel, aluminium, galvanised steel, concrete, fibreglass or MDF

PRIMERS
Most Dulux® alkyd and two pack primers

TOPOATS
Not applicable

APPLICATION METHODS
Conventional, airless spray or air assisted spray

TYPICAL PROPERTIES AND APPLICATION DATA

DRYING CHARACTERISTICS AT 40 µm DRY FILM THICKNESS*

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Humidity</th>
<th>Touch</th>
<th>Handle</th>
<th>Full Cure</th>
<th>OVERCOAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°C</td>
<td>50%</td>
<td>20 Minutes</td>
<td>2 Hours</td>
<td>7 Days</td>
<td>24 Hours</td>
</tr>
</tbody>
</table>

*These figures are a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying. Overcoating can occur up to 4 hours after initial application or after 24 hours. Failing to observe these limits may result in “frying”. If in doubt test a small inconspicuous area first. Allow longer times under cold conditions.

SPREADING RATE
9.5 square metres per litre equals 40 µm dry film thickness

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions, surface porosity and roughness.
## METALSHIELD® QD TOPCOAT

### TYPICAL SYSTEMS

This is a guide only and not to be used as a specification. Your specific project needs must be discussed with a Dulux Protective Coatings Consultant.

<table>
<thead>
<tr>
<th>SURFACE</th>
<th>ENVIRONMENT</th>
<th>PREPARATION GUIDE</th>
<th>SYSTEM</th>
<th>DFT (μm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEEL – NEW</td>
<td>Very low - Moderate corrosivity (AS2312 Cat C1-3)</td>
<td>Power tool clean AS1627.2, Abrasive blast AS1627.4</td>
<td>1st Coat Metalshield® High Build ZP Primer</td>
<td>50 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Metalshield® QD Topcoat</td>
<td>40 μm</td>
</tr>
<tr>
<td>STEEL – NEW</td>
<td>Mild - Moderate (AS2312 Cat C1-3)</td>
<td>Power tool clean AS1627.2, Abrasive blast AS1627.4</td>
<td>1st Coat Metalshield® Quick Dry Primer</td>
<td>35 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Metalshield® QD Topcoat</td>
<td>40 μm</td>
</tr>
<tr>
<td>GALVANISED*, ALUMINIUM, FIBREGLASS</td>
<td>Exterior Mild/ Interior</td>
<td>Clean, degrease and abrade surface</td>
<td>1st Coat Metalshield® Etch Primer</td>
<td>10 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Metalshield® QD Topcoat</td>
<td>40 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3rd Coat Metalshield® QD Topcoat</td>
<td>40 μm</td>
</tr>
</tbody>
</table>

**NOTE:** If application is by brush or roller, additional coats will be necessary to achieve the minimum DFT and full opacity

* This system is only recommended over galvanised steel in very low corrosivity environments.