DURATION® T74

Premium Water Borne Polyurethane Finish

PC 860

FEATURES
- EXCELLENT UV RESISTANCE AND GLOSS RETENTION
- SHORT RECOAT TIME - 3 HOURS AT 25°C
- LOW VOC & LOW ODOUR COMPARED TO EQUIVALENT SOLVENT BORNE SYSTEMS
- TINTABLE – AVAILABLE IN OVER 5,000 COLOURS
- SMOOTH FINISH

USES
DURATION® T74 is a premium, two-component water borne polyurethane coating that demonstrates excellent gloss and colour retention and is a low VOC and low odour alternative to solvent borne polyurethane topcoats.

DURATION® T74 is designed to be used as part of a complete DURATION® water borne protective coatings system for steel that is subject to sheltered or mild (C1-C3) corrosive environments including residential and commercial construction, hospitals, warehouses, schools, shopping centres and factories.

DURATION® T74 can also be used directly over Dulux® solvent borne epoxy primers, universal primers, epoxy intermediates and to aged, tightly adhering coatings subject to necessary solvent resistance tests and appropriate surface preparation.

SPECIFICATIONS

RESISTANCE GUIDE

WEATHERABILITY
Excellent gloss and colour retention on exterior exposure.

SOLVENTS
Unaffected by splash and spillage of common alcohols, aliphatic and aromatic hydrocarbons, esters and ketones

WATER
Excellent resistance to fresh and salt water but not suitable for immersion.

ALKALIS
Good resistance to splash and spillage of most common alkalis

ABRASION
Good when fully cured

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION
Two pack polyurethane

APPLICATION CONDITIONS
Air Temp. 10°C 40°C
Substrate Temp. 10°C 40°C
Relative Humidity 85%

COATING THICKNESS (MICRONS)

Min Max Recommended
Wet film per coat (μm) 105 160 105
Dry film per coat (μm) 50 75 50

SUITABLE SUBSTRATES
Suitably primed steel, aluminium, zinc coated steel, concrete and MDF.

PRIMERS
Dulux® epoxy primers, etch primers and universal metal primers

APPLICATION METHODS
Air spray, airless, roller and brush

DRYING CHARACTERISTICS AT 50 μm DRY FILM THICKNESS

Temperature Humidity Touch Handle Full Cure Min Max
25°C 50% 30 Minutes 3 Hours 7 Days 3 Hours 7 days

SPREADING RATE
9.4 square metres per litre equals 50 μm dry film thickness

NOTE: Practical spreading rates will vary depending on such factors as colour, application method, ambient conditions and surface porosity and roughness.
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**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>Low-Mid corrosivity (AS2312.1 Cat C1-C3)</td>
<td>Abrasive blast AS1627.4 Class 2.5</td>
<td>1st Coat Duration® P23</td>
<td>75 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Duration® X21</td>
<td>50 μm</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>3rd Coat Duration® T74</td>
<td>50 μm</td>
</tr>
<tr>
<td>GALVANISED STEEL</td>
<td>Exterior</td>
<td>Degrease and whip blast</td>
<td>1st Coat Duration® P23</td>
<td>75 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Duration® X21</td>
<td>50 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3rd Coat Duration® T74</td>
<td>50 μm</td>
</tr>
<tr>
<td>ALUMINIUM</td>
<td>Exterior/Interior</td>
<td>Clean, degrease and abrade surface</td>
<td>1st Coat Duration® P23</td>
<td>75 μm</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Duration® X21</td>
<td>50 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3rd Coat Duration® T74</td>
<td>50 μm</td>
</tr>
<tr>
<td>CONCRETE</td>
<td>Exterior/Interior</td>
<td>Remove curing agents and other surface contaminants. Diamond grind or track blast</td>
<td>1st Coat Duration® X21</td>
<td>60 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Duration® T74</td>
<td>60 μm</td>
</tr>
<tr>
<td>MDF</td>
<td>Interior</td>
<td>Sand and dust down before and after first coat</td>
<td>1st Coat Luxepoxy® 4 White Primer</td>
<td>50 μm</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Duration® X21</td>
<td>50 μm</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>3rd Coat Duration® T74</td>
<td>50 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.

### SURFACE PREPARATION

Specifiers should follow the surface preparation guidelines from the data sheet for the primer or first coat selected. The surface must be clean, sound and free from moisture, grease, oil, dirt, rust, loose paint, and other contaminants and abraded to provide a suitable key for the coating system. If application of the second coat has exceeded the recoat window of the first coat (refer to data sheet) then the entire surface MUST be abraded.

### APPLICATION

Mix part A and part B thoroughly using a power mixer until the contents of each part is uniform. Ensure bases have been tinted to the correct colour before use. DULUX® ASSUMES NO RESPONSIBILITY FOR THE APPLICATION OF INCORRECT COLOUR. Mix the contents of both packs together thoroughly, but not vigorously (to avoid the introduction of air) using a power mixer. **DO NOT RINSE OUT THE PART B (ISOCYANATE COMPONENT) CAN WITH WATER.** Thin with water under power mixing before allowing to stand for 10 minutes. Box all containers before use to ensure colour consistency. Remix thoroughly before application.

**BRUSH/ROLLER**

Application can be improved by thinning the mixed product with up to 150 ml/litre with potable water. When brushing and rolling additional coats may be required to attain the specified thickness.

**CONVENTIONAL SPRAY**

When thinning the mixed product with up to 150 ml/litre with potable water to aid atomisation. Apply in multiple wet coats overlapping each pass 50%.

**AIRLESS SPRAY**

Standard airless spray equipment such as a Graco Xtreme 30:1 with a fluid tip of 15 thou (0.38) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Thinning is not normally required but up to 150 ml/litre of potable water may be added to aid application.

### PRECAUTIONS

This is an industrial product designed for use by experienced Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux® Consultant for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the written consent of Dulux® Australia. **Do not use any product past its pot life.** Product past its pot life may still appear fit for use but will develop substantially reduced gloss and may develop brittleness. Freshly mixed material must not be added to material that has been mixed for some time. The rate of cure is dependent upon temperature. Do not apply at temperatures below 10°C, or where the surface temperature is below 10°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Ensure you read and understand the safety precautions on the Material Safety Data Sheets for the two components before using. You should only thin the mixed product with potable water. **Do not add water to the PART B, isocyanate component.**

### CLEAN UP

Clean all equipment with clean warm water immediately after use followed by DULUX® EPOXY THINNER (920-08925).

### OVERCOATING

Degrease with Gamlen CA 1 according to the data sheet. Test adhesion of existing coating by standard cross hatch adhesion test. If the coating fails, remove it. High-pressure water wash at 8.3 to 10.3 MPa (1,200-1,500 p.s.i.) to remove chalk and dust. Abrade surface to provide a good key for the new coating. Epoxies must be abraded if recoated outside the recoat window.
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SAFETY PRECAUTIONS
Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or www.duluxprotectivecoatings.com.au

STORAGE
Both components are NOT classified as dangerous goods for transport or storage. Store in well ventilated bunded area under cover and away from sources of heat. Keep containers closed at all times.

HANDLING
As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.

USING
Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spraying, users must comply with their respective State Spray Painting Regulations.

FLAMMABILITY
This product is not flammable. On burning will emit toxic fumes.

WELDING
Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

COMPANY INFORMATION

Dulux Protective Coatings a division of
DuluxGroup (Australia) Pty Ltd
1956 Dandenong Road, Clayton 3168
A.B.N. 67 000 049 427

DuluxGroup (New Zealand) Pty Ltd
150 Hutt Park Road, Lower Hutt, NZ
A.B.N. 55 133 404 118

PACKAGING, TRANSPORT AND STORAGE

PACKAGING
Available in 4 litre and 20 litre packs

TRANSPORTATION WEIGHT
1.35 kg/litre (Average of components)

DANGEROUS GOODS
Part A: Non Dangerous Goods
Part B: Non Dangerous Goods

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