ACRATHANE® IF CLEARCOAT
Clear Isocyanate Free Catalysed Acrylic Finish

FEATURES
- EXCELLENT ANTI GRAFFITI COATING
- GOOD WEATHERING AND CHEMICAL RESISTANCE
- GOOD ABRASION RESISTANCE AND TOUGHNESS
- CLEAR HIGH GLOSS AND CLEAR LOW SHEEN

USES
ACRATHANE IF CLEARCOAT is a clear, colourless, two-component, catalysed acrylic formulated to impart either a high gloss or a low sheen finish to painted surfaces. It has good gloss retention and yellowing resistance, and imparts a tough, graffiti-resistant and cleanable finish to ACRATHANE IF and other coatings. It can be recoated with itself after simply ensuring the surface is clean and has been lightly abraded.

ACRATHANE IF CLEARCOAT is isocyanate-free and suited to on-site application.

ACRATHANE IF CLEARCOAT is particularly suitable as the clear topcoat over ACRATHANE IF for the protection and decoration of MDF and timber joinery in a choice of gloss or low sheen finish. It is also suitable as the clear topcoat over ACRATHANE IF for facades, canopies and structural steelwork.

ACRATHANE IF CLEARCOAT is also ideal as a graffiti resistant clear sealer for concrete, imparting a “wet look” to public spaces prone to graffiti.

SPECIFICATIONS

RESISTANCE GUIDE

<table>
<thead>
<tr>
<th>WEATHERABILITY</th>
<th>SOLVENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good gloss and colour retention on exterior exposure</td>
<td>Resists splash and spillage of most organic solvents</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HEAT RESISTANCE</th>
<th>WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 100°C dry heat</td>
<td>Excellent resistance to fresh and salt water but not suitable for immersion</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SALTS</th>
<th>ALKALIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unaffected by splash and spillage of neutral and alkaline salt solutions</td>
<td>Good resistance to splash and spillage of most common alkalis</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ACIDS</th>
<th>ABRASION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable for splash and spillage of mild acids</td>
<td>Good when fully cured</td>
</tr>
</tbody>
</table>

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION
- Two Component Catalysed Acrylic

FINISH
- High Gloss and Low Sheen

COLOUR
- Clear colourless

COMPONENTS
- Two

VOLUME SOLIDS
- 41%

VOC LEVEL
- <570 g/L

FLASH POINT
- 15°C

POT LIFE
- 6 hours (4 litre kit, 25°C)

MIXING RATIO V/V
- Part A : 4
- Part B : 1

THINNER – BRUSH
- 965-42166
- Dulux Urethane Thinner

THINNER – SPRAY
- 965-63023
- Dulux Urethane Thinner

PRODUCT CODE
- 446-30900
- Clearcoat Gloss
- 446-H0100
- Clearcoat Low Sheen
- 976-51087
- Hardener

APPLICATION CONDITIONS

- Air Temp.
- 10°C
- 45°C

- Substrate Temp.
- 10°C
- 45°C

- Relative Humidity
- 85%

FILM THICKNESS (MICRONS)

<table>
<thead>
<tr>
<th>Dry film per coat (μm)</th>
<th>Wet film per coat (μm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min</td>
<td>Max</td>
</tr>
<tr>
<td>120</td>
<td>170</td>
</tr>
</tbody>
</table>

SUITEPRAT SUBSTRATES
- Prepedainted steel, aluminium, zinc coated steel, fibreglass or MDF and unpainted concrete

PRIMERS
- Not applicable

TOP COATS
- Not applicable

APPLICATION METHODS
- Conventional, airless spray or air assisted spray

DRYING CHARACTERISTICS AT 60 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>10° C</td>
<td>50%</td>
<td>1.5 Hours</td>
<td>16 Hours</td>
<td>7 Days</td>
<td>16 Hours</td>
</tr>
<tr>
<td>15° C</td>
<td>50%</td>
<td>1 Hour</td>
<td>10 Hours</td>
<td>7 Days</td>
<td>10 Hours</td>
</tr>
<tr>
<td>25° C</td>
<td>50%</td>
<td>30 Minutes</td>
<td>7 Hours</td>
<td>7 Days</td>
<td>8 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.

1 When applying over epoxies, ensure that the application is carried out within 24 hours of applying the epoxy.

SPREADING RATE
6.8 square metres per litre equals 60 μm dry film thickness

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface roughness.
ACRATHANE IF CLEARCOAT

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>Mild – Moderate (AS2312.1 Cat 3)</td>
<td>Abrasive blast AS1627.4 Class 2.5</td>
<td>1st Coat Duremax GPE ZP</td>
<td>125 μm</td>
</tr>
<tr>
<td></td>
<td>PUR2</td>
<td></td>
<td>2nd Coat Acrathane IF</td>
<td>60 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3rd Coat Acrathane IF Clearcoat</td>
<td>60 μm</td>
</tr>
<tr>
<td>HARDWOOD &amp; MDF</td>
<td>Interior</td>
<td>Sand and dust down before and after first coat</td>
<td>3rd Coat Luxepoxy 4 White Primer</td>
<td>50 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4th Coat Acrathane IF Clearcoat</td>
<td>60 μm</td>
</tr>
<tr>
<td>CONCRETE</td>
<td>Exterior/Interior</td>
<td>Remove release agents and other surface contaminant</td>
<td>4th Coat Acrathane IF Clearcoat</td>
<td>60 μm</td>
</tr>
</tbody>
</table>

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

SURFACE PREPARATION

The surface must be free from grease, oil, dirt, rust and other contaminants. Dulux recommends that surfaces be degreased with Gamlen CA 1 (a free-rinsing, alkaline detergent) according to the manufacturer’s written instructions and all safety warnings.

Concrete: Concrete must be at least 28 days old before coating. Remove all laitance, form release agents, curing compounds, oil, grease and other surface contaminants.

APPLICATION

Mix each can thoroughly using a power mixer until the contents are uniform. Mix the contents of both packs together thoroughly with a power mixer and let stand for 10 minutes. Remix thoroughly before application.

CONVENTIONAL SPRAY

Suitable for small areas only. Application can be improved by thinning with up to 100 ml/litre with Duluthin 040 (965-42166). When brushing and rolling additional coats may be required to attain the specified thickness.

Pressure at Gun: 380-410 kPa (55-60 p.s.i.)

AIRLESS SPRAY

Standard airless spray equipment such as a Graco Xtreme 30:1 with a fluid tip of 15-17 thou (0.38-0.43mm) and an air supply capable of delivering 550-650 kPa (80-100 p.s.i.) at the pump. Thinning is not normally required but up to 100 ml/litre of Dulux Urethane Thinner (965-63023) may be added to ease application.

PRECAUTIONS

This is an industrial product designed for use by experienced Protective 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 express written consent of Dulux Australia. Freshly mixed material must not be added to previously mixed material. The rate of cure is dependent upon temperature. Do not apply at temperatures below 10°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. The surface to be coated must be totally free of moisture and contaminants. When applying Acrathene IF (solid colours) on epoxy primers and intermediates prior to using Acrathane IF Clearcoat, ensure that the Acrathene IF is applied within 24 hours of applying the epoxy. Do not use this product without consulting a Dulux Protective Coatings Consultant.

CLEAN UP

Clean all equipment with Dulux Urethane Thinner (965-63023) immediately after use.

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 (1,200-1,500p.s.i.) to remove chalk and dust. Lightly abrade to provide a key for the new coating if necessary.

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

Store as required for a flammable liquid Class 3 in a bunded area under cover. Store in well ventilated area away from sources of heat or ignition. 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.

FLAMMABILITY

This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fire with foam, CO₂ or dry chemical powder. On burning will emit toxic fumes.

WELDING

Avoid inhalation of fumes if weld 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

Available in 4 litre packs

TRANSPORT WEIGHT

0.97 kg/litre (Average of components)

DANGEROUS GOODS

Part A: Class 3 UN 1263
Part B: Class 3 UN 1263

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