HI TEMP™ UNIPRIME
Heat Resistant Primer
PC 926

FEATURES
• HEAT RESISTANT TO 550°C CONTINUOUS
• EXCELLENT HEAT QUENCH RESISTANCE
• COMPATIBLE WITH HI TEMP™ TOPCOATS

USES
Areas of use include steel boiler stacks, chimneys, steam pipes, furnaces, reaction vessels, etc., which are subject to high heat in industrial atmospheres.

It comes with a catalyst which facilitates air drying at ambient temperature in the event that delays occur before topcoating with HI TEMP™ 400 or 600.

SPECIFICATIONS

RESISTANCE GUIDE

WEATHERABILITY
Will chalk on exterior exposure
SOLVENTS
Good resistance to splash and spillage of most hydrocarbon solvents when fully cured

HEAT RESISTANCE
Up to 550°C dry heat (continuous)
WATER
Resists rain and condensation. Not recommended for permanently damp or immersed exposure
Up to 600°C dry heat (intermittent)

SALTS
Unaffected by splash and spillage of neutral salt solutions
ALKALIS
Not recommended where fumes, splash or spillage may occur

ACIDS
Not recommended where fumes, splash or spillage may occur
ABRASION
Good when fully cured

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION
Silicone heat resistant primer
APPLICATION CONDITIONS

FINISH
Flat
Air Temp. 10°C 45°C

COLOUR
Grey
Substrate Temp. 10°C 45°C

COMPONENTS
One
Relative Humidity 85%

VOLUME SOLIDS
40%

VOC LEVEL
<530 g/L

FLASH POINT
4°C

POT LIFE
24 Hours if catalyst is used

MIXING RATIO
Single Pack

WITH CATALYST
Hi Temp™ Catalyst : Hi Temp™ Uniprime 190 g : 4 litre

THINNER
965-63020 Dulux® CR Reducer
SUITABLE SUBSTRATES
Abrasive blast cleaned steel

PRODUCT CODE
950-16185 Hi Temp™ Uniprime includes Catalyst
TOPCOATS
Dulux® Hi Temp™ Finishes

APPLICATION METHODS
Brush, roller, conventional, airless spray or air assisted spray

DRYING CHARACTERISTICS AT 20 μm DRY FILM THICKNESS*

| Temperature | Humidity | Touch | Handle | Full Cure¹ | OVERCOAT
|-------------|----------|-------|--------|------------|---------
| 25°C        | 50%      | 2 Hours | 12 Hours | On Heating | 12 Hours Until Heated |

WITH HI TEMP™ CATALYST*

| Temperature | Humidity | Touch | Handle | Full Cure¹ | OVERCOAT
|-------------|----------|-------|--------|------------|---------
| 25°C        | 50%      | 2 Hours | 8 Hours | On Heating | 8 Hours Until Heated |

* These figures are a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.
¹ Product does not fully harden and develop full protective properties until the surface is heated to 150°C – 200°C for 2 hours
² If the maximum overcoat interval is exceeded then the surface MUST be abraded to ensure maximum intercoat adhesion.

SPREADING RATE

16 square metres per litre equals 25 μm dry film thickness

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions, surface porosity and roughness.
# HI TEMP™ UNIPRIME

## 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.

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<th>PREPARATION GUIDE</th>
<th>SYSTEM</th>
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<td>150°C – 435°C</td>
<td>Abrasive blast clean AS1627.4 Class 2.0</td>
<td>1st Coat Hi Temp™ Uniprime</td>
<td>25 µm</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Hi Temp™ 400</td>
<td>20 µm</td>
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<tr>
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<td></td>
<td></td>
<td>3rd Coat Hi Temp™ 400</td>
<td>20 µm</td>
</tr>
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| STEEL – NEW | 150°C – 550°C | Abrasive blast clean AS1627.4 Class 2.0 | 1st Coat Hi Temp™ Uniprime | 25 µm |
|            |              |                   | 2nd Coat Hi Temp™ 600 | 20 µm |
|            |              |                   | 3rd Coat Hi Temp™ 600 | 20 µm |

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

## SURFACE PREPARATION

**Steel:** Round off all rough welds, sharp edges and remove weld spatter. Remove grease, oil and other contaminants in accordance with AS1627.1. Degrease with Gamlen CA 1 (a free-rinsing, alkaline detergent) according to the manufacturer’s written instructions and all safety warnings. Abrasive blast clean to a minimum of AS1627.4 Class 2. Remove all dust brushing or vacuum. **Steel where abrasive blast cleaning is not viable:** Rust, mills cale, oxide deposits and old paint films on metal surfaces must be removed by power tool cleaning according to AS1627.2 Class 2. Coating performance is proportional to the degree of surface preparation.

## APPLICATION

**Brush/Roller:** Mix thoroughly using a power mixer until the contents are uniform. Mix Hi Temp™ catalyst into the Hi Temp™ Finish at a ratio of 190 grams of Catalyst per 4 litre of Finish.

**Conventional Spray:** Brushing is the preferred method of application of the first coat. Apply even coats of the mixed material to the prepared surface. When brushing and rolling additional coats may be required to attain the specified thickness.

## AIRLESS SPRAY

Standard airless spray equipment such as a Graco Xtreme 30:1 with a fluid tip of 15 thou (0.38mm) 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 50 ml/litre of Dulux® CR Reducer (965-63020) may be added to aid application.

## CLEAN UP

Clean all equipment with Dulux® CR Reducer (965-63020) immediately after use.

## OVERCOATING

Do not overcoat with itself once the coating has been heat cured. Rust, mill scale, oxide deposits and old paint films on metal surfaces must be removed by abrasive blast cleaning to AS1627.4 Class 2.5.

## 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

## PACKAGING, TRANSPORT AND STORAGE

Dulux Protective Coatings a division of DuluxGroup (Australia) Pty Ltd

**COMPANY INFORMATION**

<table>
<thead>
<tr>
<th>A.B.N. 67 000 049 427</th>
<th>DuluxGroup (New Zealand) Pty Ltd</th>
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