



**United Paints Limited**  
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**Manufacturers of Industrial & Decorative Coatings**

## UNILUX HARDENER

### Premium Quality Isocyanate Hardener

Premium quality aliphatic isocyanate hardener to be used in conjunction with Unilux spraying enamel to form a basic 2 K type of urethane .

Can be used with Unilux over solvent resistant primers on metal , wood , and some mineral substrates .

To promote the initial through cure of Unilux and produce a far more durable product with superior chemical resistance .

### Typical Uses

- Fleet Automotive
- Topcoat Marine
- High Quality Engineering
- Pipework
- Maintenance
- Agricultural Machinery
- Heavy Structural
- Dairy Work

### Mix Ratios

Premium Mix 125mls per litre paint  
 Minimum Mix 65mls per litre paint

Specifications may be updated or revised at times . Please ensure through our representative that sheet being viewed is current .

### Physical Properties

Vehicle Type	Aliphatic Isocyanate
Pigment Type	N / A
Solvent	High boil Ester
Pot Life	6 - 8 hours when mixed
Gloss Level	Extremely High
Volume Solids	40 %
Colours Available	Clear
Recommended Dry Film Build	50 microns per coat mixed .
Theoretical Coverage	10 m2 / lit 50 microns DFT
Number of Coats	Two ( Tack and Double head )
Dry Time	Touch 75 minutes Hard 12 Hours
Recoating Times	<u>Minimum</u> - 4 Hours <u>Maximum</u> -Overnight
Abrasion Resistance	Excellent
Solvent & Chemical Resistance	Excellent
Heat Resistance	Good / Silver Excellent
Durability	Excellent
Thinning & Cleanup	Spraying or Commercial
Pack Sizes	500 mls or 1 Litres
Surface Preparation	Surfaces must be clean , dry, free from dirt , oil , grease .
Suitable Primers	Uniprime Syncro Green / Red , Red Oxide , Tech Primers , Shop Primer
Application	Conventional and HVLP Spray , Roller or brush .

### Performance

Performance	<ul style="list-style-type: none"> <li>• Premium Gloss / Satin available</li> <li>• Two Pack</li> <li>• Excellent Long Term Durability .</li> <li>• Premium Mix Ratio 125 mls / litre Minimum Mix Ratio 65 mls / litre</li> <li>• Easy to use .</li> </ul>
Limitations	<ul style="list-style-type: none"> <li>• Spray Application is preferred application for early recoating .</li> <li>• Health and safety issues for isocyanates demand high employee safety protection . Appropriate masks and clothing must be used .</li> <li>• Pot life of 6 - 8 hours must be observed once mixed with Unilux.</li> </ul>

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