



United Paints Limited

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Manufacturers of Industrial & Decorative Coatings

UNITHANE HARDENER

Premium Quality Isocyanate Hardener

Premium quality aliphatic isocyanate hardener to be used in conjunction with Unithane urethane topcoat

Recommended for fleet automotive industrial maintenance , and marine coatings providing excellent exterior durability and chemical resistance in aggressive environments .

Aliphatic crosslinking agent provides outstanding gloss and yellowing resistance .

Typical Uses

- Fleet Automotive
- Bridges
- Tank Exteriors
- Decorative Iron
- Machinery
- Rolling Stock
- Industrial Plants
- Marine
- Concrete Protection
- Maintenance

Mix Ratios

Mix 1 litre harder to 4 litres Unithane
4:1

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 hours when mixed
Gloss Level	Extremely High
Volume Solids	40 %
Colours Available	Clear
Recommended Dry Film Build	45 to50 microns per coat mixed .
Theoretical Coverage	11 m2 / lit 50 microns DFT
Number of Coats	Two (Tack and Double head)
Dry Time	Touch 90 min @ 20° C
	Hard Overnight
Recoating Times	<u>Minimum</u> -Varies with temperature Generally 3 hours for extra coat . <u>Maximum</u> -Depending on ambient temperature 6 - 8 hours maximum. Full cure may necessitate sanding .
Abrasion Resistance	Excellent
Solvent & Chemical Resistance	Excellent .
Durability	Excellent
Thinning & Cleanup	Unithane Reducer
Mix Ratio	4 parts paint : 1 part hardener
Pack Sizes	4 Litres & 20 Litres
Hardener Pack Sizes	500 mls , 1 litre , 4 litre .
Surface preparation	Surface must be free from dirt , oil grease or moisture and suitably primed to United's' recommendation.

Performance

Performance	<ul style="list-style-type: none"> • Non yellowing Aliphatic / Acrylic • Two Pack • Excellent long term durability . • Can be used over most two pack primers and some single pack . • Reasonable pot life .
Limitations	<ul style="list-style-type: none"> • Spray Application is preferred application . • Product is cured by reaction of an Aliphatic Isocyanate . Care must be taken to ensure applicator has appropriate breathing apparatus and handles product with caution .

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