



COLOURTHANE[®] C-SERIES CLEAR

TM2.40

DESCRIPTION

- an ultra-premium, two-pack recoatable isocyanate-cured, acrylic polyurethane clear finish

PRINCIPAL CHARACTERISTICS

- excellent gloss retention
- suitable for interior and exterior applications
- excellent resistance to atmospheric exposure
- designed for use over Colourthane C-Series colours and metallics
- tough, flexible and abrasion resistant
- unlimited recoatability with suitable preparation
- range of hardeners and thinners available to provide flexibility in application
- can be air dried or force dried up to 60°C to improve throughput

Note: We advise that you test this product to determine if it is suitable for your particular use.

COLOURS AND GLOSS

- clear, full gloss

BASIC DATA AT 25°C and 50% RELATIVE HUMIDITY

- vehicle type acrylic polyurethane
- mix ratio 2A:1B by volume
- typical film thickness (per coat) 25 microns (dry), 65 microns (wet)
- solids content approx. 40% by volume
- theoretical spreading rate 16 m²/L at 25 microns (dry)
- dust free 30 minutes (standard hardener)
15 minutes (fast hardener)
- touch dry after 4 hours (standard hardener)
2 hours (fast hardener)
- hard dry 20 hours (standard hardener)
10 hours (fast hardener)
- full cure after 7 days
- recoat time refer to instructions for use
- shelf life (cool, dry place) at least 12 months in unopened container

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURE

- apply over Colourthane C-Series solid colours and metallics
- Colourthane C-Series Clear can be applied to suitable existing finishes, provided they are previously degreased and sanded
- substrate temperature should be at least 3°C above dew point
- relative humidity should not exceed 75% during application and before the dry to handle time



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INSTRUCTIONS FOR USE

- mixing ratio by volume 2A:1B
- cure with Colourthane C-Series Standard or Fast Part B only
- induction time - none
- pot life at 25°C 3 hours (Standard Part B), 1½ hours (Fast Part B) Do not use after this time even if the mix is still liquid
- stir the components and mixed product well using a mechanical mixer
- the temperature of the mixed product must be above 15°C, otherwise extra thinner may be required to obtain application viscosity
- too much thinner will result in lower sag resistance and slower cure
- thinner should only be added after mixing the components
- freshly catalysed material should not be added to product that has been mixed for some time
- apply in single coats
- allow 5 - 10 mins flash-off time between coats
- two single coats of 50 - 70 microns total dry film thickness is recommended for maximum durability
- apply Colourthane C-Series Clear to Colourthane C-Series colours and metallics as soon as the colour/metallic is dust free
- recoat times for wet on wet; allow for a flash-off time of 5 - 10 mins between coats, can be recoated within 8 hours without sanding. If recoating after 8 hours sand with P400 - P600 between coats
- for recommendations outside those contained in this data sheet, refer to WattyI

APPLICATION

- **AIRLESS SPRAY**
 - recommended thinner Colourthane Reducer or Thinner L748
 - volume of thinner up to 5%
 - nozzle orifice approx 0.28mm (0.011 inch)
 - nozzle pressure 15MPa (2100 psi)
- **AIR SPRAY**
 - recommended thinner Colourthane Reducer or Thinner L748
 - volume of thinner up to 10%
 - nozzle orifice 1.2 - 1.5 mm
 - nozzle pressure 0.3 - 0.4 MPa (50-60 psi)
- **CLEANING SOLVENT** Colourthane Reducer or Thinner L748

REDUCER GUIDE

	15°C and below	20°C	25°C	30°C	35°C and above
Colourthane Reducer Fast					
Colourthane Reducer Standard					
Colourthane Reducer Slow					
Thinner L748					

- thinning recommendations are given as a guide and may vary depending upon substrate temperature and weather conditions



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SAFETY PRECAUTIONS

- flammable. Avoid contact with heat and naked flame
- avoid contact with skin and eyes
- use gloves, mask and goggles during application
- provide adequate ventilation when using in confined spaces
- contains 0.028% monomeric diisocyanate when mixed. Provide adequate ventilation during use. Breathing the vapour is dangerous. Avoid prolonged breathing of fumes. Where ventilation is poor or where applied by spray, use suitable respiratory equipment at all times
- this product is intended for use in industrial situations by professional applicators in accordance with the advice given on this sheet. All work involving the use and application of this product should be carried out in compliance with all relevant Health, Safety & Environmental standards and regulations and must not be used without reference to the Material Safety Data Sheet (MSDS)

ADDITIONAL DATA

Curing table - using Standard Part B

Substrate temperature	Dust free	Touch free	Dry to handle	Hard dry	Ready to sand
15°C	50 mins	6 hrs	16 hrs	24hrs	20 hrs
25°C	30 mins	4 hrs	12 hrs	20 hrs	16 hrs
60°C	5 mins	15 mins	40 mins	50 mins	45 mins

Curing table - using Fast Part B

Substrate temperature	Dust free	Touch free	Dry to handle	Hard dry	Ready to sand
15°C	25 mins	4 hrs	8 hrs	16 hrs	12 hrs
25°C	15 mins	2 hrs	6 hrs	10 hrs	8 hrs
60°C	5 mins	10 mins	20 mins	25 mins	20 mins

- adequate ventilation must be continuously maintained during application and curing

Pot life (at application viscosity)

Paint temperature	Standard Part B	Fast Part B
15°C	5 hrs	2½ hrs
25°C	3 hrs	1½ hrs
35°C	1½ hrs	45 mins

PACKAGING

Part A 4 litres

Part B 1 litre

For the most up to date information contact Wattyl Customer Service Hotline or visit the Wattyl Website.

CUSTOMER SERVICE HOTLINE
WEBSITE

Australia
132 101
<http://www.wattyl.com.au>

New Zealand
0800 735 551
<http://www.wattyl.co.nz>

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