

# COLOURTHANE® C-SERIES CLEAR

TM2.40

## Description

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

## Product 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.

## Colours and Gloss

- Clear - full gloss.

## Recommended Film Thickness (Per Coat)

	Minimum	Maximum	Typical
Dry film thickness (µm)	25	35	25
Wet film thickness (µm)	65	87	65
Theoretical spreading rate (m <sup>2</sup> /l)	16	11.4	16

## Basic Data at 25°C

Solids content approx.	40% by volume
Mix ratio	2A:1B by volume
Dust free	30 mins (standard hardener) 15 mins (fast hardener)
Touch dry after	4 hours (standard hardener) 2 hours (fast hardener)
Full cure	7 days

## 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.

## Application Instructions

- 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 Wattyl.

## Application Methods

	AIRLESS SPRAY	AIR SPRAY
Recommended thinner	Colourthane Reducer or Thinner L748	Colourthane Reducer or Thinner L748
Volume of thinner	0-5%	0-10%
Tip	0.28mm (0.011 inch)	1.2- 1.5mm (0.047-0.059 inch)
Fluid/Atomised pressure	15 MPa (2100 psi)	0.3-0.4 MPa (50-60 psi)

### CLEANING SOLVENT

Colourthane Reducer or Thinner L748

## Reducer Guide

Temperature	<15°C	20°C	25°C	30°C	>35°C
Thinner L743					
Colourthane Reducer Standard					
Colourthane Reducer Slow Thinner L748					

# COLOURTHANE® C-SERIES CLEAR

TM2.40

## 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 safety data sheet (SDS).

## Additional Data

### CURING TABLE

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	24 hrs	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.

### POTLIFE TABLE

Potlife Table for Colourthane C Series (at application viscosity)

Paint temperature	Standard Part B	Fast Part B
15°C	5 hrs	2.5 hrs
25°C	3 hrs	1.5 days
35°C	1.5 hrs	45 mins

## Precautions

- This product is intended for use in industrial situations by professional applicators in accordance with the advice given in this document and the safety data sheet (SDS).
- The nature of this product is such that colour variations may occur depending on the application method used.
- For recommendations outside those contained in this data sheet, refer to Wattyl.

## Storage and Packaging

- Shelf life at least 12 months.
- All components shall be stored in a dry internal environment at between 5°C and 35°C.
- Packaging: 4 litre Part A, 2 litre Part B.
- Product line: 1625

For the most up to date information, please visit our website at [www.wattylpc.com.au](http://www.wattylpc.com.au), or contact us at Australia 132 101 (Australia) 0800 825 7727 (New Zealand).

1. This information, provided by Hempel (Wattyl) Australia Pty Ltd is important to ensure that the listed product(s) perform according to the stated application and uses and must be followed to meet Wattyl's warranties express and implied. Wattyl advises that you (a) review the Product Data Sheets (PDS) and Safety Data Sheets (SDS) before you use or handle the product; (b) ensure that the product be used only in accordance with the information provided by Wattyl and the product(s) be transported, stored and handled in accordance with the information on the SDS and relevant PDS; and (c) thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product.
2. The information in this PDS was prepared using information gathered during product development. While Wattyl endeavours to update this information and maintain the accuracy and currency of its contents, Wattyl does not warrant that the information provided is current when the product is used or is wholly comprehensive.
3. For all product and non-product related information, Wattyl recommends that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest Wattyl office before using the product(s).
4. To the full extent permitted by law, Wattyl's liability for breach of a condition or warranty implied into the contract for sale between Wattyl and you by law is limited at Wattyl's election to: (a) the replacement of the product; or (b) payment of the cost of replacing the product. If coating rectification is required Wattyl's Technical Services shall be contacted prior to commencement. Trademarks are the property of Hempel (Wattyl) Australia Pty Ltd. (ABN 40 000 035 914)

Wattyl Protective Coatings is part of the Hempel Group, a world leading supplier of trusted coating solutions. Hempel is a global company with strong values, working with customers in the decorative, marine, infrastructure and energy industries. Our purpose is to shape a brighter future with sustainable coating solutions, and with more than 100 years of protecting some of our customer's most valuable assets, we aim to earn their trust every day. The Hempel Group is proudly owned by the Hempel Foundation.