

PARACRYL® IF540

P52.01

Description

A two-pack, isocyanate-free catalysed acrylic coating approved to APAS-2919 and conforms to AS/NZS 3750.5.

Product Characteristics

- Unlimited recoatability.
- Good gloss off the gun.
- Fast drying.
- Excellent exterior durability.
- Good chemical and solvent splash resistance.
- Will cure down to 5°C.
- Isocyanate-free.
- Also available in metallic (P52.02) and antigraffiti clear (P52.03) finishes.
- Matting base available to create lower gloss levels (refer to P52.04).

Colours and Gloss

AS 2700 colour card – full gloss

Recommended Film Thickness (Per Coat)

	Minimum	Maximum	Typical
Dry film thickness (µm)	50	50	50
Wet film thickness (µm)	110	110	110
Theoretical spreading rate (m ² /l)	9.0	9.0	9.0

Basic Data at 25°C

Solids content approx.	45% by volume
Mix ratio	4A:1B by volume
Touch dry after	30 minutes
Full cure	7 days
Temperature resistance	95°C (dry), 35°C (wet)

Surface Preparation

PREVIOUS SUITABLE COAT

- Must be dry and free from chalking and contamination and sufficiently roughened if necessary.
- Oil and grease should be removed from all surfaces in accordance with AS 1627.1 solvent cleaning.
- Substrate temperature must be at least 5°C during surface preparation, application and curing and at least 3°C above dew point.
- Relative humidity should not exceed 85%.

Application Instructions

- Mixing ratio by volume 4A:1B.
- Mix Paracryl IF540 Part A with Paracryl IF540 Part B only.
- Induction time – none.
- Pot life at 25°C 8 hours. Do not use after this time even if the mix is still liquid.

- Stir the components and mixed product well using a mechanical mixer.
- This product must be thinned with the recommended thinner before application.
- Thinning recommendations are given as a guide and may vary depending upon substrate temperature and weather conditions.
- 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.
- Wattyl recommends the use of coating inspection reports in compliance with AS/NZS 3894.10,11,12 refer to Information Sheet I-20 for more information.
- For recommendations outside those contained in this data sheet, refer to Wattyl.

Application Methods

	AIRLESS SPRAY	AIR SPRAY*	BRUSH/ROLLER
Recommended thinner	Thinner L747	Thinner L747	Thinner L754
Volume of thinner	10-20%	15-25%	5-10%
Nozzle orifice approx.	0.38mm (0.015 inch)	1.4-1.8 mm	The maximum dry film thickness that can be achieved when brushing/rolling is 40 microns.
Nozzle pressure	15 MPa (2100 psi)	0.3-0.4 MPa (50-60 psi)	Multiple coats may be required to achieve the recommended dry film thickness.

*At temperatures greater than 30°C, or in windy conditions, or where slower drying is required, part, or all, of Thinner L747 may be replaced with Thinner L748. However, film thicknesses must be closely monitored as excessive film builds may result in sagging

CLEANING SOLVENT

| Thinner L747

PARACRYL® IF540

P52.01

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.
- 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

OVERCOATING TABLE

Overcoating interval for Paracryl IF540 when top coating with itself or other compatible coatings.

Interval	5°C	15°C	25°C	35°C
Min	2 hrs	1 hr	30 mins	15 mins
Max	Unlimited when dry and free from chalking and contamination			

CURING AND POTLIFE TABLE

Paint temperature	5°C	15°C	25°C	35°C
Touch dry	2 hrs	1 hr	30 mins	15 mins
Dry to handle	72 hrs	32 hrs	16 hrs	12 hrs
Full cure	28 days	14 days	7 days	5 days
Potlife (at applicable viscosity)		12 hrs	8 hrs	4 hrs

- Adequate ventilation must be continuously maintained during application and curing.

Precautions

For recommendations outside those contained in this data sheet, refer to Wattyl.

Product Compatibility

PRIMERS

- Super Etch Primer
- Epiname UC230
- Epiname PR250
- Epiname PR360ZPS
- Epiname DTS680
- Epiname NS808
- Epiname DTM985

TOPCOATS

- Paracryl IF540
- Paracryl IF540 Metallic
- Paracryl IF540 Antigrffiti Clear

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: 20 litre kit (16 litre Part A, 4 litre Part B)
5 litre kit (4 litre Part A, 1 litre Part B)
- Product line: 2017.

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

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 Technical Data Sheets (TDS) and Material Safety Data Sheets (MSDS) 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 MSDS and relevant TDS; 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 TDS 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.