TECHNICAL SPECIFICATION

Paintback Circular Coatings / Recycled Water-Based Paint (rWBP)

1. Product Identification

Product name: Paintback Circular Coatings / Recycled Water-Based Paint (rWBP).

Product type: Recycled water-based paint.

Intended use: Interior and exterior coating for public, commercial and infrastructure assets where circular material procurement, reliable finish quality and lower embodied carbon are desired.

Manufacturer: Paintback, an independent Australian not-for-profit product stewardship organisation established in 2016. The product is manufactured from water-based paint collected through the national Paintback scheme and refined through controlled recovery and quality-monitoring processes to deliver a consistent, fit-for-purpose coating.

2. Core Benefits

Circular material	Made from recovered water-based paint diverted from landfill and waterways.
Local manufacture	Manufactured locally in Victoria using the Paintback collection stream.
High-build coverage	Applies thick to help reduce coat numbers, labor time and ancillary plant costs.
Competitive cost	Positioned as a cost-effective alternative aligned with standard architectural paint pricing.
Low VOC	Meets the GBCA low-VOC requirement of 16 g/l for Green Star Design & AS Built V1.3 - 13.1.1B, Green Star Interiors V1.3 - 12.1.1B
Lower embodied carbon	Reduces embodied carbon by approximately 15 kg CO_2 per 100 litres applied.

3. Application Scope and Substrate Compatibility

Paintback rWBP is suitable for interior and exterior architectural applications and can be applied by brush, roller or spray. Typical compatible substrates include plasterboard, masonry, concrete, timber, metals and previously painted surfaces, provided surfaces are clean, dry and free from dust, oil and grease before application.

Colour and Finish Requirements

The coating may be tinted to selected architectural shades and project-specific palettes. Colour selection should be confirmed against project requirements, substrate conditions and the approved sample panel before full-scale application.

4. Technical Performance and Compliance Testing

Performance testing was undertaken to assess coating build, drying efficiency and adhesion strength against relevant project and benchmark requirements. The evaluation referenced Austroads Technical Specification ATS 5343 and independent coating inspection/testing protocols.

Results indicate that Paintback rWBP satisfies the tested performance requirements and provides a practical alternative to virgin architectural coatings for appropriate specification contexts. The product also meets the GBCA low-VOC requirement of 16 g/L for applicable paint categories, supporting indoor environmental quality objectives in Green Star-aligned projects.

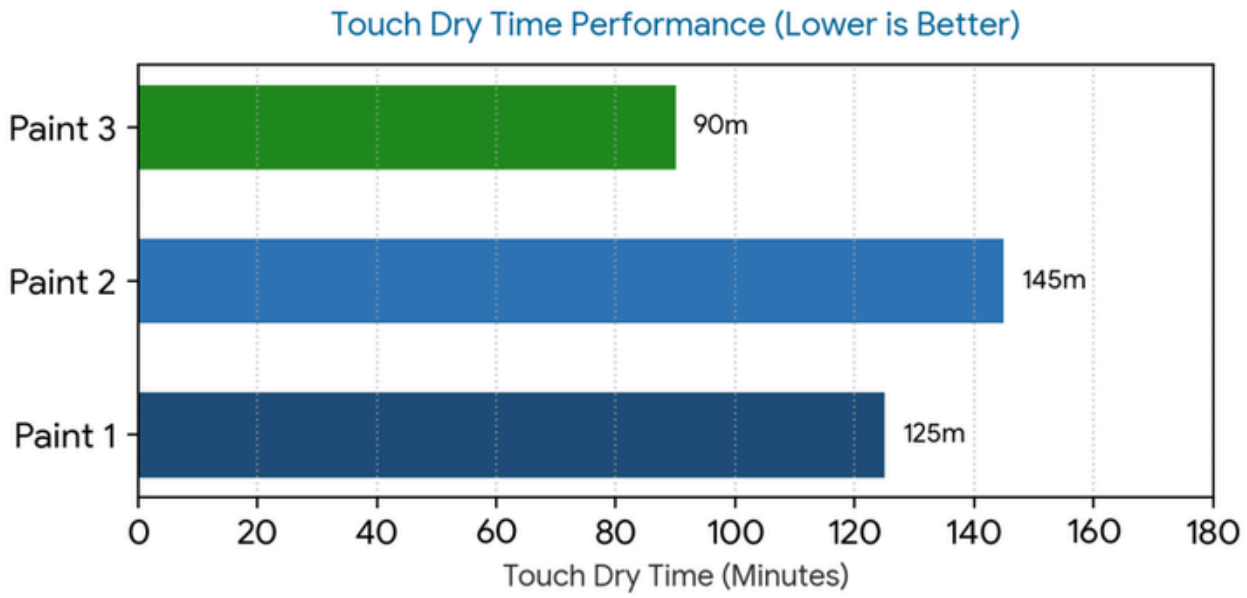
Colour and Finish Requirements

Paint Sample	WFT (Layer 1)	WFT (layer 2)	AVG. DFT achieved
Sample 1	300 - 350 um	200 - 250 um	153.2 um
Sample 2	300 - 350 um	200 - 250 um	145.0 um
Sample 3	300 - 350 um	200 - 250 um	156.8 um
Average	**-**	**-**	**151.67 um**

Testing validates formulation consistency against the minimum 150 um Dry Film Thickness (DFT) requirement.

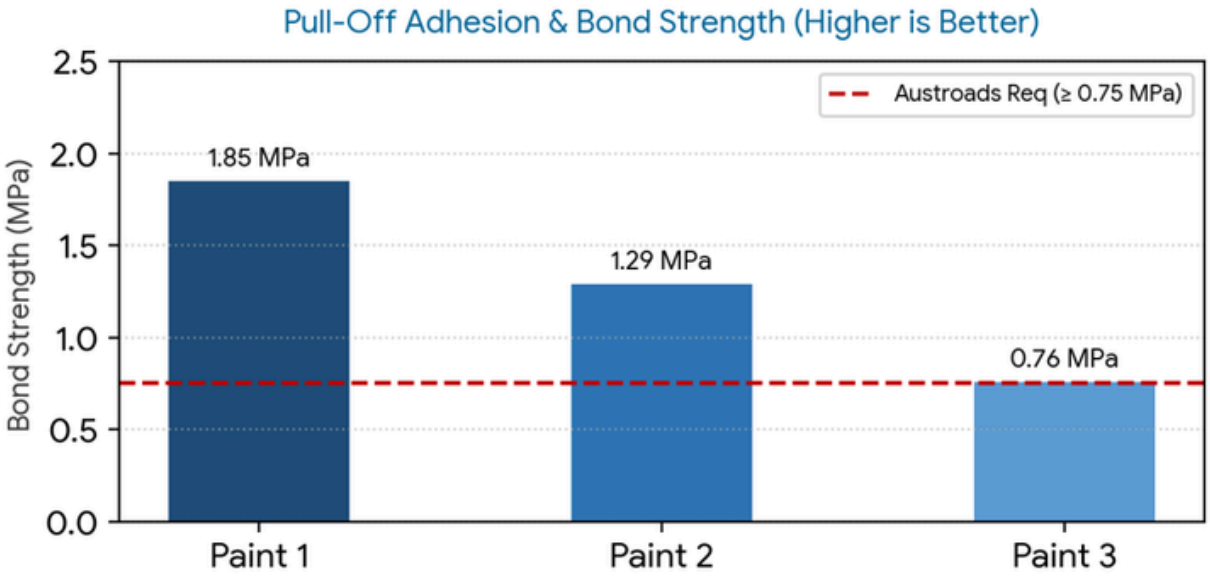
Drying and Recoat Efficiencies

Minimising drying times is critical to limit labour costs and public disruption. While ATS 5343 specifies a standard 24-hour recoat window, Paintback rWBP demonstrated rapid touch-dry metrics.



Mechanical Adhesion & Bond Strength

To ensure long- term durability against environmental weathering and physical stress, pull-off adhesion testing was conducted on cured concrete substrates. The specification dictates a minimum acceptable bond strength of ≥ 0.75 MPa. Paintback rWBP significantly outperformed the baseline.



5. Summary Technical Specification Table

Specification Property	Austroads ATS 5343 Standard Requirement	Paintback rWBP Validated Performance
Dry Film Thickness (DFT)	Minimum 150 um over standard application	Passed (Average 151.67 um achieved)
Drying / Recoat Time	Capacity to be recorded within 24 hours	Passed (Accelerated touch-dry in 90 - 145 minutes)
Colour Compliance	Standard architectural profiles (e.g., AS 2700 N35 Grey)	Passed (Fully achieved and customisable)
Bond / Adhesion Strength	≥ 0.75 MPa pull-off strength on concrete	Passed (Exceptional average of 1.3 MPa achieved)
Low VOC Content	GBCA low-VOC requirement: 16 g/L for applicable paint categories	Meets requirement; supports Green Star indoor environmental quality outcomes

6. Specification Notes

- Confirm final colour, sheen and finish through an approved project sample before application.
- Prepare substrates in accordance with coating manufacturer guidance and project-specific surface preparation requirements.
- Apply by brush, roller or spray in accordance with approved method statements and site conditions.
- Use this specification in conjunction with relevant project sustainability, procurement and quality assurance documentation.

7. Warranty Summary

Paintback warrants that Greyscale recycled paint, when applied to properly prepared interior surfaces in accordance with the Technical Requirements, including AS/NZS 2311:2017, will meet the Paint Performance Warranty for a period of seven (7) years. The warranty covers specified paint film failures including peeling, flaking, loss of adhesion, delamination, cracking, bubbling, blistering, wrinkling, yellowing, chalking, powdering, staining or bleeding, subject to the full warranty terms and exclusions. Remedies are limited to replacement of the defective product or the cost of replacement, at Paintback's option.

This summary is provided for convenience only and is subject to the full Paintback Warranty Terms and Conditions.

TECHNICAL SPECIFICATION FACT SHEET

Paintback Circular Coatings / Recycled Water-Based Paint (rWBP)

Benefits

Circular material	Made from recovered water-based paint diverted from landfill and waterways.
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Low VOC	Meets the GBCA low-VOC requirement of 16 g/l for Green Star Design & AS Built V1.3 - 13.1.1B, Green Star Interiors V1.3 - 12.1.1B
Lower embodied carbon	Reduces embodied carbon by approximately 15 kg CO_2 per 100 litres applied.

Dry Film Thickness (DFT) & Build Consistency Table	**151.67 µm** **Average DFT achieved** Measured average exceeds the 150 µm minimum requirement.	**3 / 3** **Samples compliant** All measured samples were within the expected build range.	**PASS** **Build consistency** Supports high-build application and specification compliance.
Drying and Recoat Efficiencies	**90–145 min** **Touch-dry window** Accelerated drying supports faster site turnaround.	**≤ 24 h** **Recoat requirement** Meets the specified capacity to recoat within 24 hours.	**LOW DISRUPTION** **Operational benefit** Shorter dry times can reduce labour exposure and public interface time.
Mechanical Adhesion & Bond Strength	**1.30 MPa** **Average adhesion** Validated pull-off strength on cured concrete substrate.	**≥ 0.75 MPa** **Minimum requirement** Specification benchmark for bond strength on concrete.	**+73%** **Above minimum** Demonstrates strong mechanical bond performance relative to the baseline.