



LIGHTLY PIGMENTED ALKYD LOW GLOSS RANCH FINISH FOR EXTERIOR TIMBER

1 SCOPE

Translucent coloured finishes that do not completely hide the appearance of the grain of the timber. They allow the timber texture and/or grain pattern of rough sawn or dressed exterior timber to be seen.

2 BACKGROUND

- To obtain a broad overview of the Australian Paint Approval Scheme (APAS), refer to APAS document AP-D001.
- To obtain an overview of restricted ingredients in APAS certified products, refer to APAS document AP-D123.
- To obtain the current list of APAS participating manufacturers (and suppliers) and resellers, refer to APAS document AP-D152.
- To obtain an overview of how to participate in the APAS, refer to APAS document AP-D177.
- APAS approval to this specification may be gained by compliance with the requirements detailed in this specification and those in APAS document AP-D192.

3 DESCRIPTION AND GUIDE FOR USERS

3.1 General Requirements

- Products approved against this specification are generally translucent coloured finishes and hence do not completely hide the appearance of the grain of the timber. They allow the timber texture and/or grain pattern of rough sawn or dressed exterior timber to be seen.
- An intrinsically durable and absorbent timber should preferentially be used.
- Apply direct to timber by brush, roller or spray. The manufacturer's instructions on surface preparation, removal of previous coatings, on the treatment of steel fastenings and on suitable fillers and stoppings, must be strictly observed.

3.2 Sub-Classes

- This specification does not incorporate any sub-class.

3.3 Basis of this Specification

- This specification is based on AS 3730.28.

4 REFERENCED DOCUMENTS

- The following standards are referenced in this document:
 - AS/NZS 1580** – Paints and related materials: Methods of test
 - AS 3730.28** – Guide to the properties of paints for buildings, Part 28: Wood stain - Solvent-borne - Exterior

These documents may be purchased through the Reference Standards Australia website:
<https://www.standards.org.au/>

- The Poisons Standard June 2021:** Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) No. 33, Part 2: Control on Medicines and Poisons, Section Seven / Appendix I Paint or Tinters

This document is available from the Australian Government Federal Register of Legislation website at:
<https://www.legislation.gov.au/Details/F2021L00650>

- The following APAS documents are referenced in this document:
 - AP-D001 Rules Governing How APAS® Operates
 - AP-D123 Restrictions on Ingredients in Product Formulations
 - AP-D152 APAS® Participating Manufacturers and Resellers
 - AP-D177 Rules Governing How Product Manufacturers participate in APAS®
 - AP-D181 Volatile Organic Compounds (VOC) Limits
 - AP-D192 Rules Governing APAS® Product Certification Scheme

All APAS documents are available for download from the APAS website: <https://vs.csiro.au/apas/documents/>

5 COMPOSITIONAL REQUIREMENTS

5.1 Binder

- The binder composition is typically oil chosen to impart the properties listed in clause 7, Table 1 below.

5.2 Volatiles

- The volatile portion is typically turpentine.
- For VOC content restrictions, refer to APAS document AP-D181.

5.3 Pigmentation

- The pigmentation shall consist of appropriate colouring pigments to impart the properties listed in clause 7, Table 1 below.

6 PRODUCT APPROVAL REQUIREMENTS

6.1 General Requirements

- The product and its application for approval shall comply with the relevant requirements of APAS document AP-D192 during the life of the approval.

6.2 Technical Requirements

- The product shall comply with **all** the requirements of clause 7, Table 1 below.
- Unless otherwise specified, the test panels shall be of clear premium grade Western Red Cedar planed all round (PAR) and otherwise in accordance with AS/NZS 1580.104.1.
- Surface preparation shall be carried out in accordance with AS/NZS 1580.106.1.



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- d) Test panels shall be prepared by brushing without thinning by AS/NZS 1580.107.8 in accordance with the manufacturer's published data sheet or label instructions.
- e) For the durability test, the panels shall be of suitable size for the exposure racks. All surfaces including backs and edges shall be coated.
- f) The manufacturer's own quality control schedule of tests and limits shall be allowed subject to the approval of the Executive Officer (EO), APAS.
- g) On request, the EO may request the results of the tests for a batch and compare these with previous batches.
- h) Density and non-volatile content by weight (NVCW) figures for each production batch of the approved product shall be within $\pm 3\%$ of the actual (not theoretical) figures quoted in the original product approval submission (APAS document AP-D139).
- i) Subject to compliance with all the requirements of this specification, the level of Approval appropriate to the application shall be given to the system.

6.3 Health and Safety Requirements

- a) Shall not be a Schedule 1, Schedule 2 or Schedule 3 paint (SUSMP).
- b) The manufacturer's Safety Data Sheet (SDS) must be studied closely prior to using the product and complied with during use of the product.
- c) Since the products contain flammable solvents, they should be stored away from all sources of heat or ignition. Good ventilation provided during use to minimise the risk of fire or explosion and the long-term toxic effects of absorption of the vapour into the lungs.
- d) Containers should be resealed immediately after use and good ventilation provided during use to minimise the risk of fire or explosion and the long-term toxic effects of absorption of the vapour into the lungs.
- e) Care should be taken to avoid contact with the skin by the use of protective clothing and barrier cream.
- f) Products intended for sale in Australia shall comply with all the requirements of the SUSMP. Products intended for sale in other countries shall comply with all local WHS and environmental requirements.
- g) The product shall comply with all requirements of clause 6.3 and 6.4 of APAS document AP-D192.



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7 TABLE 1: PERFORMANCE PROPERTIES

TEST	AS/NZS 1580 METHOD	REQUIREMENTS
General Requirements	AS 3730.28	Shall comply with all the requirements of clause 5 Typical Properties and Characteristics , except as modified below. All results shall be reported.
Non-volatile Content by Volume (Volume Solids)	Theoretical Calculation	Recorded.
Viscosity	214.3	Recorded.
Surface Dry Condition	401.1	≤ 6 hrs.
Hard Dry Condition	401.3	≤ 24 hrs.
Specular Gloss	602.2	Recorded.
Resistance to Natural Weathering	457.1 481.1.2 481.1.7 481.1.8 481.1.9 481.1.10 481.1.11 481.1.12	After 24 months exposure on a 45° rack facing north at a temperate site, the following ratings shall apply: Discolouration < 2 Checking 0 Cracking 0 Blistering 0 Flaking and Peeling 0 Chalking < 2 Colour Change < 2
VOC Content	APAS AP-D181	Refer to APAS document AP-D181 for method and limits. If the APAS specification is not listed on AP-D181, a declaration of VOC content is still required .



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8 APPENDIX A

Document History

Status: Current
Version: 10
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Document Version No.:	Date Published:	Summary of Changes:
10	27-08-2021	<ul style="list-style-type: none">• General format change to clause 1• Updated background information in clause 2• Updated SUSMP information• Updated APAS website information
9	12-11-2020	<ul style="list-style-type: none">• Addition of Appendix A Document History and removal of the Editorial Note previously used in specification versions• Updated document to the current format• Updated internal and external document references and website details• Inclusion of VOC Content requirement to Table 1 Performance Properties• Addition of "People + Product = Protection" to Footer
8	13-05-2003	<ul style="list-style-type: none">• Deleted reference to GPC numbering and incorporated a general format update
7	13-09-2001	<ul style="list-style-type: none">• Aligned naming conventions with Australian Standards• Hard dry time test was changed from mechanical thumb to BYK recorder
6	23-02-2001	<ul style="list-style-type: none">• Initiated the second stage of the move to new specification numbering with prominence given to the new number (previously GPC-V-115/1)