

CLEAR TIMBER FINISH – ONE PACK INTERIOR (GENERAL PURPOSE)

1 SCOPE

A one pack solvent borne clear finish for interior timber furniture and fittings. May also be used for domestic floors but is not recommended for commercial or institutional floors where heavier foot traffic is expected.

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

- A one pack solvent borne clear finish for interior timber furniture and fittings. May also be used for domestic floors but is not recommended for commercial or institutional floors where heavier foot traffic is expected.
- Intended to provide a hard, clear brushed finish which does not obscure the grain and is resistant to cleaning materials, alcohol, boiling water and scratching. Readily recoatable with further coats, the surface may be stained before varnishing, if desired (refer APAS specification AP-S0111).
- Reference should also be made to APAS specifications:
AP-S0054: Two Pack Exterior Polyurethane Varnish
AP-S0055: One Pack Exterior Varnish
AP-S0206: Two Pack Clear Finish for Timber

3.2 Sub-Classes

- This specification does not incorporate any sub-class.

3.3 Basis of this Specification

- This specification is based on AS 3730.25 with the following modification:
 - Addition of tests for resistance to alcohol, boiling water and detergent
- Products approved under this specification comply with Paint Reference Number (PRN) B19 of AS/NZS 2311.

4 REFERENCED DOCUMENTS

- The following standards are referenced in this document:
 - AS/NZS 1580** – Paints and related materials: Methods of test

- AS/NZS 2311** – Guide to the painting of buildings
- AS 3730.25** – Guide to the properties of paints for buildings, Part 25: Clear finish - Solvent-borne - Interior

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 not restricted by this specification but should be chosen to impart the properties listed in clause 7, Table 1 below.

5.2 Volatiles

- The volatile portion shall typically be comprised of hydrocarbons.
- For VOC content restrictions, refer to APAS document AP-D181.

5.3 Pigmentation

- Not applicable.

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.



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6.2 Technical Requirements

- a) The product shall comply with **all** the requirements of clause 7, Table 1 below.
- b) The manufacturers own quality control schedule of tests and limits shall be allowed subject to the approval of the Executive Officer (EO), APAS.
- c) On request, the EO may request the results of the tests for a batch and compare these with previous batches.
- d) 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).
- e) 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) The manufacturer's Safety Data Sheet (SDS) must be studied closely prior to using the product and complied with during use of the product.
- b) Since the products contain hydrocarbon solvents, the products are flammable and 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.
- c) To ensure minimal exposure to vapours, painting should not be carried out whilst the building is occupied. Exterior doors, windows and relevant interior connecting doors should be propped open to ensure adequate ventilation. Alternatively, forced air ventilation should be used to ensure adequate air changes.
- d) Care should be taken to avoid contact with the skin by the use of protective clothing and barrier cream.
- e) 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.
- f) 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 3730.25 | Shall comply with all the requirements of clause 5 Typical Properties and Characteristics , except as modified below. All results shall be reported. |
| Viscosity | 214.3 | 0.1 - 0.4 Pas. |
| Resistance to Boiling Water | 456.1 | No defects, no change in colour or gloss, scratch resistance of immersed panel \geq 1000g. |
| Resistance to Alcohol | 453.1 (modified) | Immerse in a 50:50 water/ethanol mixture for 15 minutes. After 2 hours recovery time there shall be no defects, no change in colour or gloss, scratch resistance of immersed panel shall be \geq 1000g. |
| Resistance to Detergent | 453.1 (modified) | Immerse in a solution of 10% non-ionic detergent for 15 minutes. After 2 hours recovery time, there shall be no defects, no change in colour or gloss, scratch resistance of immersed panel shall be \geq 1000g. |
| 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 and 3.1• 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• Removal of references to APAS specifications no longer in use• Addition of "People + Product = Protection" to Footer |
| 8 | 26-02-2004 | <ul style="list-style-type: none">• Combined specifications 0114 and 0204 into the one specification |
| 7 | 12-05-2003 | <ul style="list-style-type: none">• Deleted reference to GPC numbering, incorporated a general format update and incorporated AS3730.25 testing into Table 1 |
| 6 | 31-01-2001 | <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-114) |