

## LATEX WOOD PRIMER (BUILDINGS)

### 1 SCOPE

A priming paint for the interior and exterior priming of woodwork on buildings.

### 2 BACKGROUND

- a) To obtain a broad overview of the Australian Paint Approval Scheme (APAS), refer to APAS document AP-D001.
- b) To obtain an overview of restricted ingredients in APAS certified products, refer to APAS document AP-D123.
- c) To obtain the current list of APAS participating manufacturers (and suppliers) and resellers, refer to APAS document AP-D152.
- d) To obtain an overview of how to participate in the APAS, refer to APAS document AP-D177.
- e) 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) A priming paint for the interior and exterior priming of woodwork on buildings.
- b) Generally available as white or off-white.
- c) May be applied by brush, roller or spray to clean sanded timber surface at a typical dry film thickness of 25 - 40µm.
- d) For exterior service, these paints are typically finished with two coats of paint complying with APAS specification AP-S0280/1.
- e) APAS specification AP-S0183 compliant products are favoured where the finishing coats are to be latex types.

#### 3.2 Sub-Classes

- a) This specification does not incorporate any sub-class.

#### 3.3 Basis of this Specification

- a) This specification is based on AS 3730.17 with the following additional/increased requirements:
  - i. Minimum volume solids are specified
  - ii. Dry hiding power (contrast ratio)
  - iii. Resistance to mudcracking
- b) Paints approved under this specification correspond to Paint Reference Number (PRN) B10A of AS/NZS 2311.

### 4 REFERENCED DOCUMENTS

- a) The following standards are referenced in this document:
  - i. **AS/NZS 1580** – Paints and related materials: Methods of test
  - ii. **AS/NZS 2311** – Guide to the painting of buildings
  - iii. **AS 3730.17** – Guide to the properties of paints for buildings – Primer – Wood – Latex – Interior / exterior

These documents may be purchased through the Reference Standards Australia website:

<https://www.standards.org.au/>

- iv. **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 web site at:

<https://www.legislation.gov.au/Details/F2021L00650>

- b) The following APAS documents are referenced in this document:
  - i. AP-D001 Rules Governing How APAS® Operates
  - ii. AP-D123 Restrictions on Ingredients in Product Formulations
  - iii. AP-D152 APAS® Participating Manufacturers and Resellers
  - iv. AP-D177 Rules Governing How Product Manufacturers participate in APAS®
  - v. AP-D181 Volatile Organic Compounds (VOC) Limits
  - vi. 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

- a) The binder shall typically be comprised of an aqueous dispersion of an acrylic or vinyl copolymer.

#### 5.2 Volatiles

- a) The volatile component shall typically be comprised of water.
- b) For VOC content restrictions, refer to APAS document AP-D181.

#### 5.3 Pigmentation

- a) The pigmentation shall be chosen to impart the properties detailed in clause 7, Table 1 below.

#### 5.4 Colour

- a) Products approved under this specification are normally available in either white or off-white and are capable of being tinted to other colours using standard architectural tinting systems.

### 6 PRODUCT APPROVAL REQUIREMENTS

#### 6.1 General Requirements

- a) 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) 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.
- c) 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	<b>AS 3730.17</b>	Shall comply with <b>all</b> the requirements of <b>clause 5 Typical Properties and Characteristics</b> . <b>All</b> results shall be reported.
Non-volatile Content by Volume (Volume Solids)	301.2	Minimum 35%. <ul style="list-style-type: none"><li>Volume solids may be determined theoretically from raw material data except where solid constituents incorporate sealed air voids.</li></ul>
Viscosity	214.3	0.07 – 0.2 Pa.s.
Dry Hiding Power - Contrast Ratio	213.2	Minimum 85%.
Resistance to Mudcracking	409.1	No cracking.
Specular Gloss	602.2	Maximum 50 units at 60°.
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 <b>is still required</b> .



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### 8 APPENDIX A

#### Document History

Status: Current  
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Document Version No.:	Date Published:	Summary of Changes:
9	02-09-2021	<ul style="list-style-type: none"><li>• General format changes</li><li>• Updated background information in clause 2</li><li>• Updated SUSMP information</li><li>• Updated APAS website information</li></ul>
8	26-11-2020	<ul style="list-style-type: none"><li>• Addition of Appendix A Document History and removal of the Editorial Note previously used in specification versions</li><li>• Updated document to the current format</li><li>• Updated internal and external document references</li><li>• Inclusion of VOC Content requirement to Table 1 Performance Properties</li><li>• Addition of "People + Product = Protection" to Footer</li></ul>
7	07-10-2003	<ul style="list-style-type: none"><li>• Deleted reference to GPC numbering and incorporated a general format update</li></ul>
6	16-01-2001	<ul style="list-style-type: none"><li>• Initiated the second stage of the move to new specification numbering with prominence given to the new number (previously GPC-P-18/3)</li></ul>