

## WATER BASED ROOF PAINT

### 1 SCOPE

- a) A water-based paint for application to galvanised steel sheet or cementitious sheet roofs, gutters, pipes and tanks. Available in a manufacturer's colour range including grey and oxide red.
- b) Drinking water may be collected from the roof only where specifically recommended by the manufacturer. In some instances, use may be conditional upon running the first few washings of the roof to waste to eliminate residual surfactants.

### 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) For application to galvanised steel or cementitious surfaces which have been prepared in accordance with the manufacturer's instructions.
- b) Latex types would generally be preferred except where potable water restrictions preclude their use.
- c) Apply by brush, roller or spray. Handling time 2 hours. May be recoated after weathering with a further coat of the same roofing paint.

#### 3.2 Sub-Classes

- a) This specification incorporates sub-classes:
  - i. **0012/1**: Galvanised iron roofs
  - ii. **0012/2**: Fibrous cement roofs

#### 3.3 Basis of this Specification

- a) This specification is based on AS 3730.20.
- b) These products correspond to Paint reference Number (PRN) B25 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 3730.20** - Guide to the properties of paints for buildings, Part 20: Latex - Roofing paint

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 consist of polymerised organic compounds in aqueous media.

#### 5.2 Volatiles

- a) For VOC content restrictions, refer to APAS document AP-D181.

#### 5.3 Pigmentation

- a) The pigmentation shall consist of appropriate colouring pigments and be chosen to impart the properties detailed in clause 7, Table 1 below.

### 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.

#### 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, APAS.



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- c) On request, the Executive Officer, APAS 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) Shall not be a Schedule 1 or Schedule 2 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) Care should be taken when applying all products to avoid contact with the skin using protective clothing and barrier cream. A full-face air fed respirator should be used when spraying.
- d) 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.



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7 TABLE 1: PERFORMANCE PROPERTIES

TEST	AS/NZS 1580 METHOD	REQUIREMENTS
General Requirements	AS 3730.20	Shall comply with <b>all</b> the requirements of the clause relating to <b>Typical Properties and Characteristics</b> , except as amended below. All results shall be reported.
Non-Volatile Content by Volume (Volume Solids)	301.2	Minimum 40 % <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 Pas.
Odour		Products shall not have any offensive or irritating odour.
Specular Gloss (60°)	602.2	<ul style="list-style-type: none"><li>Semi-gloss 20 - 50 units.</li><li>Gloss 50 - 85 units.</li></ul>
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  
Version: 9  
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Document Version No.:	Date Published:	Summary of Changes:
9	26-08-2021	<ul style="list-style-type: none"><li>• Minor formatting changes, including clause 4 b)</li><li>• Updated background information in clause 2</li><li>• Updated SUSMP information</li><li>• Updated APAS website information</li></ul>
8	06-11-2020	<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 and website details</li><li>• Inclusion of VOC Content requirement to Table 1 Performance Properties</li><li>• Addition of "People + Product = Protection" to Footer</li></ul>
7	07-04-2003	<ul style="list-style-type: none"><li>• Deleted reference to GPC numbering and incorporated a general format update</li></ul>
6	11-01-2001	<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-12/2 &amp; 3)</li></ul>