

## LATEX PRIMER FOR GALVANISED STEEL AND ZINCALUME (BUILDINGS)

### 1 SCOPE

A water-based priming paint for galvanised steel or Zincalume® e.g., corrugated roofing sheets.

### 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 water based priming paint for galvanised steel or Zincalume® e.g., corrugated roofing sheets.
- Drinking water may be collected from roofs painted with this product, but only where overcoated with a solvent-borne topcoat or a latex topcoat specifically recommended by the manufacturer for that purpose.
- Apply to clean galvanised steel or Zincalume® and follow with a roofing paint or undercoat and enamel as required. Handling time varies according to type.

#### 3.2 Sub-Classes

- This specification does not incorporate any sub-class.

#### 3.3 Basis of this Specification

- This specification is based on AS 3730.15.
- The products covered by this specification correspond to Paint Reference Number (PRN) B12A 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 3730.15** – Guide to the properties of paints for buildings – Part 15: Primer – Latex – For metallic zinc surfaces

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 web site 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 shall typically consist of a water-borne emulsion chosen to impart the properties detailed in clause 7, Table 1 below.

#### 5.2 Volatiles

- The volatile component shall typically consist of water.
- For VOC content restrictions, refer to APAS document AP-D181.

#### 5.3 Pigmentation

- Products shall typically consist of appropriate colouring pigments chosen to impart the properties detailed 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.
- The manufacturers own quality control schedule of tests and limits shall be allowed subject to the approval of the Executive Officer (EO), APAS.
- On request, the EO may request the results of the tests for a batch and compare these with previous batches.



---

## LATEX PRIMER FOR GALVANISED STEEL AND ZINCALUME (BUILDINGS)

---

- 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, 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) 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.
- d) The product shall comply with all requirements of clause 6.3 and 6.4 of APAS document AP-D192.



# SPECIFICATION AP-S0134



## LATEX PRIMER FOR GALVANISED STEEL AND ZINCALUME (BUILDINGS)

7 TABLE 1: PERFORMANCE PROPERTIES

TEST	AS/NZS 1580 METHOD	REQUIREMENTS
General Requirements	AS 3730.15	Shall comply with <b>all</b> the requirements of <b>clause 5 Typical Properties and Characteristics</b> , except where amended below. <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.x	Method and result to be recorded.
Resistance to Mudcracking	409.1	No cracking.
Low Temperature Coalescence	409.2	No cracking.
Condition on Accelerated Storage	211.2	When an unopened full container of the paint is maintained at $50 \pm 3^{\circ}\text{C}$ for 14 days and then cooled to ambient temperature, manual stirring of the paint shall produce a uniform consistency free of gel, skin and coarse particles. There shall be no rusting or other deterioration of the inside of the container.
Resistance to Natural Weathering	457.1	No integrity failure after 48 months (Interim approval may be considered after 36 months). The durability test shall be performed on a galvanised steel panel with one of the following coating systems: <ul style="list-style-type: none"><li>One coat of the primer under test followed by two coats of water-borne roofing paint to APAS specification AP-S0012/1</li><li>Other systems as detailed on a manufacturer's printed data sheet (arranged by prior approval from the Executive Officer, APAS)</li></ul> The exposure site for durability trials should be <b>moderate</b> in accordance with AS/NZS 1580.457.1.
VOC Content	APAS AP-D181	Refer to APAS document AP-D181 for method and limits. <ul style="list-style-type: none"><li>If the APAS specification is not listed on AP-D181, a declaration of VOC content <b>is still required</b>.</li></ul>



# SPECIFICATION AP-S0134



## LATEX PRIMER FOR GALVANISED STEEL AND ZINCALUME (BUILDINGS)

### 8 APPENDIX A

#### Document History

Status: Current  
Version: 9  
Date Published: 27-08-2021

Document Version No.:	Date Published:	Summary of Changes:
9	27-08-2021	<ul style="list-style-type: none"><li>• General format change to clause 1</li><li>• Updated background information in clause 2</li><li>• Updated SUSMP information</li><li>• Updated APAS website information</li></ul>
8	13-11-2020	<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>• Removed references to APAS specifications no longer in use</li><li>• Addition of "People + Product = Protection" to Footer</li></ul>
7	13-05-2003	<ul style="list-style-type: none"><li>• Deleted reference to GPC numbering and incorporated a general format update</li></ul>
6	23-03-2001	<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-13/4)</li></ul>