



ENAMEL IN PRESSURE PACK

1 SCOPE

Fast drying enamel packed in a pressurised can. May be solvent-borne or water-borne, flat or gloss and available in a range of colours.

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

- Fast drying enamel packed in a pressurised can containing a propellant. May be solvent-borne or water-borne, flat or gloss and available in a range of colours.
- Provides only a very low film build and extended exterior durability should not be expected. Expected coverage from a typical 350g can is around 1.5 - 1.8 m².
- For touch up of small, fiddly work having limited access.
- Cans are conveniently re-sealable and re-useable without deterioration of the contents. Disadvantages - low dry film thickness.

3.2 Sub-Classes

- This specification incorporates the following sub-classes:
 - 0091/1:** Solvent-borne
 - 0091/2:** Water-borne

3.3 Basis of this Specification

- This specification is not based on any known standard or specification.

4 REFERENCED DOCUMENTS

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

This document 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 alkyd resin to impart the properties listed in clause 7, Table 1 below.

5.2 Volatiles

- The volatile portion shall typically be comprised of:
 - Hydrocarbons for 0091/1 sub-class products
 - Water for 0091/2 sub-class products.
- For VOC content restrictions, refer to APAS document AP-D181.

5.3 Pigmentation

- The pigmentation shall typically 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.
- 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.
- Density and non-volatile content by weight (NVCW) figures for each production batch of the approved product shall be within ±3% of the actual (not



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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) Since the 0091/1 sub-class paint contains a hydrocarbon solvent, the paint is 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.
- d) 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. The spray pack should not be punctured.
- 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
Application Properties		After agitating for a minimum of 1 minute, the spraypack shall show satisfactory application properties and the dry film shall be free of defects.
Surface Dry Condition	401.1	Maximum 15 minutes.
Recoat Time		Maximum 2 hours.
Colour - Visual Comparison	601.1	Approximate match.
Specular Gloss	602.2	Full gloss: ≥ 85 units at 60°. Flat: ≤ 5 units at 85°.
Reincorporation after Storage	211.2	To comply with the preceding requirements after 6 months storage at ambient temperature.
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
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Document Version No.:	Date Published:	Summary of Changes:
9	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
8	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
7	21-04-2003	<ul style="list-style-type: none">• Deleted reference to GPC numbering and incorporated a general format update
6	16-01-2001	<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-M-91)