



AP-S0117

## Australian Paint Approval Scheme (APAS)

### Long life texture coating for concrete and masonry - exterior

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## 1. Scope

- a. This specification applies to coating systems for application to exterior masonry and off-form concrete on buildings, bridges and related structures to provide a decorative finish, having a maintenance free life of not less than 10 years.

## 2. Background

- a. To obtain:
  - i. a broad overview of the Australian Paint Approval Scheme (APAS), refer to APAS document AP-D001.
  - ii. an overview of restricted ingredients in APAS certified products, refer to APAS document AP-D123.
  - iii. the current list of APAS participating manufacturers and resellers, refer to APAS document AP-D152.
  - iv. an overview of how to participate in the APAS, refer to APAS document AP-D177.
- b. 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. Coating systems for application to exterior masonry and off-form concrete on buildings, bridges and related structures to provide a decorative finish having a maintenance free life of not less than 10 years.
- b. The system may consist of a finish coat with or without a primer, pore filler or over-lacquer. However, where the use of a primer, sealer, filler or over-lacquer is recommended on the manufacturer's data sheet, these products will become part of the approved system.
- c. **SUB-CLASS AP-S0117/1:** A penetrating and/or filling primer formulated for application by airless spray or other suitable means at dry film builds not exceeding 50µm; may be solvent or water based, and for interior or exterior use.
- d. **SUB-CLASS AP-S0117/2:** For application by airless spray or other suitable method to produce a smooth decorative finish to obliterate defects and profile in the substrate and also provide a continuous membrane which inhibits the passage of water vapour. Typical dry film thickness 500 - 1000µm.
- e. **SUB-CLASS AP-S0117/3:** For application by roller or airless spray to variously produce a smooth or low relief textured finish as preferred, essentially to provide a decorative finish and obliterate minor defects in the substrate and/or to provide a characteristic texture. Typical dry film thickness 150 - 500µm.
- f. **SUB-CLASS AP-S0117/4:** For application by trowel or other appropriate means to produce a high relief decorative finish to obliterate defects and profile in the substrate and provide a characteristic texture, pattern or other appearance. Typical dry film thickness 1 - 3mm.
- g. Sub-classes AP-S0117/2 and AP-S0117/3 do not contain any aggregates while AP-S0117/4 may contain aggregates having a particle size greater than 250µm.

### 3.2. Sub-classes

- a. This specification incorporates the following subclasses:
  - i. **0117/1:** Low build primer, solvent or water based, interior or exterior use;
  - ii. **0117/2:** Medium-high build, latex, smooth finish;
  - iii. **0117/3:** Medium build, latex, low profile finish;
  - iv. **0117/4:** High build, high profile finish.

### 3.3. Basis of this specification

- a. This specification is based on the following AS/NZS standards:
  - i. 0117/2 relates to AS/NZS 4548.3
  - ii. 0117/3 relates to AS/NZS 4548.2 or 3
  - iii. 0117/4 relates to AS/NZS 4548.4
- b. Some of the products covered by this specification may correspond to Paint Reference Number (PRN) B38 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/NZS 4548.2** – Guide for long-life coatings for concrete and masonry – Latex finish coatings – High build, low profile
  - iv. **AS/NZS 4548.3** – Guide for long-life coatings for concrete and masonry – Latex – Textured coatings – Non-aggregate
  - v. **AS/NZS 4548.4** – Guide for long-life coatings for concrete and masonry – Latex – Textured coatings – Aggregate filled

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

- vi. **Therapeutics Goods (Poisons Standard - June 2025) Instrument 2025**

This document is available from the Australian Government Federal Register of Legislation website: [Therapeutic Goods \(Poisons Standard—June 2025\) Instrument 2025 - Federal Register of Legislation](#).

- 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 Product manufacturers participation in APAS®
  - v. AP-D181 Volatile Organic Compounds (VOC) Limits
  - vi. AP-D192 APAS® Product Certification
  - vii. AP-S0280/1 Exterior Water Based Paints for Buildings – Gloss Finish

All APAS documents are available for download from the documents section of the APAS website.

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## 5. Compositional requirements

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### 5.1. Binder

- a. The following are the types of binders typically associated with the specific sub-classes:
  - i. **0117/1:** Not specified; binder shall be chosen to impart the required system properties.
  - ii. **0117/2:** Pigmented latex based on pure acrylic or styrene acrylic copolymer.
  - iii. **0117/3:** Pigmented latex based on pure acrylic or styrene acrylic copolymer.
  - iv. **0117/4:** Not restricted and may variously comprise either latex, cementitious, epoxy, polyester or other binder. The product may be a two-pack material.

### 5.2. Volatiles

- a. The volatile component shall typically be comprised of water, although some approved products may be solvent based.
- b. For VOC content restrictions, refer to APAS document AP-D181.

### 5.3. Pigment

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

### 5.4. Colour

- a. The colour range acceptable under this specification is normally limited to white and light tints off white but in some cases, additional bases such as deep or accent may be required.
- b. Tinting of these products shall only be permitted by the manufacturer unless the manufacturer has in place special arrangements with, for example, certain retail outlets, for ensuring colour uniformity within and between containers of tinted product. In batch sized lots, some manufacturers may supply factory mixed colours on special order.
- c. Additional finishing colours may be obtained by overcoating with products such as gloss latex paints approved to APAS specification AP-S0280/1.

## 6. Product approval requirements

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### 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 as applicable to the sub-class for which certification is being sought.
- b. Unless otherwise specified, the test panels shall be of autoclaved fibrous cement as specified in AS/NZS 1580.104.1 and shall be prepared by a method appropriate to the product type, in accordance with the manufacturer's directions.
- c. 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. A full-face air fed respirator should be used when spraying AP-S0117/1 solvent-based materials. Appropriate respiratory protection procedures and practices should be followed when spraying AP-S0117/2, AP-S0117/3 and AP-S0117/4 products.
- c. If the product contains a flammable solvent, the paint should be stored away from all sources of heat or ignition.
- d. Products intended for sale in Australia shall comply with all the requirements of the **Therapeutics Goods (Poisons Standard - June 2025) Instrument 2025**. Products intended for sale in other countries shall comply with all local WHS and environmental requirements.
- e. The product shall comply with all requirements of clause 5.3 and 5.4 of APAS document AP-D192.

## 7. Performance properties

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- a. Refer to Table 1: Performance properties.

**Table 1:** Performance properties

Test	AS/NZS method	Requirements
<b>Testing requirements for ALL sub-classes</b>		
General requirements	4548	<p>Shall comply with <b>all</b> the requirements of <b>clause 4 Typical Properties and Characteristics</b> of the applicable standards:</p> <p><b>0117/2:</b> AS/NZS 4548.3</p> <p><b>0117/3:</b> AS/NZS 4548.2 or 3 according to type</p> <p><b>0117/4:</b> AS/NZS 4548.4</p> <p><b>NOTE:</b> Tests specified on the Applied Film (clause 4.5) must be carried out on the full coating system, including both primer and topcoat where applicable. Details of the full coating system <b>must</b> be supplied with the results of testing.</p> <p><b>All</b> results and coating system details shall be reported.</p>
Specialised application properties (i.e., trowel)		<p>Where the manufacturer's instructions call for specialised application techniques, the coating system shall produce a film of the requisite thickness, uniform in colour, gloss and finish and consistent with the manufacturer's specification.</p> <p><b>All</b> results shall be reported, and application technique shall be briefly detailed.</p>
Hard dry condition	1580.401.6	<p>The hard dry time shall be consistent with the manufacturer's stated time.</p> <p><b>All</b> results shall be reported.</p>
Reincorporation after Storage	1580.211.2	<p>After 18 months storage at ambient temperature, the settling rating shall not fall below 4 and the product shall be readily re-incorporated. The product shall have satisfactory application properties as per above.</p> <p><b>All</b> results shall be reported for each component.</p>
Percentage erosion	1580.481.1.6 – Method A	<p>After 48 months exposure at a temperate site at 45°N, the mean percentage erosion shall not be more than 20%.</p> <p><b>All</b> results shall be reported.</p>
VOC content	APAS AP-D181	<p>Refer to APAS document AP-D181 for method and limits.</p> <p>If the APAS specification is not listed on AP-D181, a declaration of VOC content is still required. <b>All</b> results shall be reported.</p>
<b>Additional testing for sub-class 0117/1 only</b>		
Condition in container	1580.103.1 1580.211.2	<p>Free from gel, coarse particles, skin and foreign matter.</p> <p>Uniform consistency after manual reincorporation.</p> <p><b>All</b> results shall be reported.</p>
Storage stability – ambient temperature (18 months)	1580.211.1 1580.211.2	<p>Degree of settling rating: 10</p> <p>Uniform consistency free from lumps, gel and other defects.</p> <p><b>All</b> results shall be reported.</p>
Storage stability – elevated temperature (14 days)	1580.211.2	<p>Free from lumps, gel and other defects.</p> <p><b>All</b> results shall be reported.</p>
Application properties	1580.205.3 1580.205.4	<p>No run, sag, streak, excessive roughness or grittiness when applied in accordance with methods of application, as recommended by the manufacturer.</p> <p><b>All</b> results shall be reported.</p>



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Test	AS/NZS method	Requirements
<b>Additional testing for sub-classes 0117/2 and 0117/3 <u>only</u></b>		
Non-volatile content by volume (volume solids)	1580.301.2	<b>0117/2:</b> $\geq 40\%$ <b>0117/3:</b> $\geq 44\%$  Volume solids may be determined theoretically from raw material data except where solid constituents incorporate sealed air voids. <b>All results shall be reported.</b>
Pigmentation levels		<b>0117/2:</b> Pigment/binder ratio by mass not greater than 1.5. Pigment volume concentration not greater than 35%. <b>0117/3:</b> Pigment/binder ratio by mass not greater than 4.0. Pigment volume concentration not greater than 60%. <b>All results shall be reported.</b>
Consistency	1580.214.x	State the method used and record and report all results.
Recoating properties	1580.404.1	A further coat applied to a panel after 7 days drying shall comply with AS/NZS 1580.404.1 clause 8, sub-clause 8 (f) and 8 (g). <b>All results shall be reported.</b>





## Appendix A Document Review

Version: 12  
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Authorised by: Arman Namvar, Executive Officer APAS

Document version no:	Issued date:	Change description:
12	15/09/2025	<ul style="list-style-type: none"><li>Full technical review by APAS; addition of general requirements for subclass 0117/1 and change of erosion to percentage erosion test; format update and minor editorial changes</li></ul>
11	27/08/2021	<ul style="list-style-type: none"><li>General format change to clause 1, 3.1 and 6.3; updated background information in clause 2, SUSMP information and APAS website information</li></ul>
10	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; updated document to the current format and internal and external document references; inclusion of VOC Content requirement to Table 1 Performance Properties and addition of "People + Product = Protection" to Footer</li></ul>
9	17/12/2007	<ul style="list-style-type: none"><li>Added sub-class 0117/1 as a primer for texture systems</li></ul>
8	14/11/2003	<ul style="list-style-type: none"><li>Incorporated reference to testing to AS/NZS 4548 and a general format update</li></ul>
7	21/05/2003	<ul style="list-style-type: none"><li>Deleted reference to GPC numbering and incorporated a general format update</li></ul>
6	23/02/2001	<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-C-117)</li></ul>
0 - 5	Not recorded	<ul style="list-style-type: none"><li>Not recorded</li></ul>