



PAINTING CONTRACTOR CERTIFICATION PROGRAM ACCREDITATION REQUIREMENTS – CLASS 18 LOW VOC COATINGS FOR BUILDINGS

Editorial Note: This version includes a reference to the new PCCP website

1. SCOPE

This Document describes the accreditation requirements for Class 18 – Application of Low VOC coatings to buildings.

Certain buildings – mostly public buildings such as schools, hospitals etc – require the application of coatings to decorate and/or protect the substrate. Where adequate ventilation for extended periods of time is not practical or feasible, a decision to only use low VOC coatings may be required in order to minimise any risk of public WHS issues.

2. AUTHORITY & RESPONSIBILITY

1. The Executive Officer, PCCP (EO) is responsible for the content of this procedure and has the authority to implement the requirements.

3. PURPOSE & HISTORY

In 1994 the Queensland State Government was faced with a WHS issue that forced the closing of a school following reports of alleged illness among some pupils.

The cause was traced to the emission of chemicals from a floor coating that had been applied some weeks earlier during school vacation.

This resulted in a Qld State Government ban on the use of seamless flooring products in its buildings until 1998 when an assessment protocol for both the evaluation of supplied products and an accreditation requirement for application contractors (SOA450/EPA450) developed and implemented by the Qld Department of Public Works. Eventually it was decided to outsource this pre-qualification to APAS (for the paint products) and PCCP (for painting contractors).

Hence the purpose of this PCCP document is to document requirements for painting contractors wanting to apply specialist low VOC coatings to public buildings, not only in Queensland but in Australasia generally.

4. REFERENCED DOCUMENTS

This procedure makes reference to the following PCCP documents.

- a) PP-D001 – How PCCP Operates
- b) PP-D008 – Quality management systems criteria

All PCCP documents and forms are available for downloading from the Documents section of the PCCP web site at;

[Documents – Painting Contractor Certification Program \(csiro.au\)](http://www.csiro.au/Documents/Painting_Contractor_Certification_Program)

- c) AS/NZS ISO 9001: 2015 *Quality management systems – Requirements*.

Available for purchase from the SAI-Global web site at <http://www.sai-global.org.au>

5. DEFINITIONS & ACRONYMS

5.1 Acronyms

ABN	Australian Business Number
ACN	Australian Company Number
CSIRO	Commonwealth Scientific and Industrial Research Organisation
EO	Executive Officer, PCCP
ITE	Inspection and test equipment
ITP	Inspection and Test Plan
KPI	Key Performance Indicator
NCR	Non-conformance report
PCCP	Painting Contractor Certification Program
RPL	Recognition of Prior Learning
SHREQ	Safety Health, Regulatory, Environmental and Quality (management systems)
SWMS	Safe Work Method Statement
TDS	Technical data sheet
VOC	Volatile organic compound
WHS	Work Health & Safety

5.2 Definitions

- a) VOC – Volatile organic compound. These are volatile compounds contained in the paint formulation which are released into the ambient air environment by evaporation as the coating dries. VOC emissions can be short term (<1 hr) or long term (up to 3 weeks or more) depending on the compound and the coating.

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6. ACCREDITATION REQUIREMENTS

6.1 General

- a) In order to become an accredited contractor the Applicant must be able to provide evidence that the following three major elements are routine parts of their normal business;
- i) A working SHREQ management system complying with the requirements detailed in PCCP document PP-D008 is in place and being regularly used to drive the business.
 - ii) Technical capability and specialist processes relevant to the application of coatings are in place and being regularly used to drive the business. Refer PP-D008 clause 7.
 - iii) Specialist equipment necessary to carry out activities to the satisfaction of the client, are available and being regularly used to drive the business. Refer clause 9 below.
- b) The Applicant also needs to be able to show that throughout the organisation, at all levels, there is a commitment to Quality principles, a desire to improve the business using those principles, and a knowledge of the organisation's position on quality. Senior management is expected to be intimately involved in the process via;
- i) Regular management review of results (KPI, NCR, complaints), trends
 - ii) The provision of adequate resources (human, skills, equipment etc) to enable policies, goals & objectives to be achieved.

7. APPLICATION PROCESS

The application process is detailed in PCCP Document PP-D001 clause 8.

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8. 8. TECHNICAL CAPABILITY

8.1 Inspection & test equipment (ITE)

Requirements for ITE will depend on measuring requirements nominated in the product TDS (technical data sheet). For example, if restrictions are placed on environmental conditions during application (temperature & relative humidity) then these must be measured. Also surface moisture content (e.g. concrete) and film builds (dry & wet). Where a coating project is performed in an enclosed space e.g. a room with 4 walls and a ceiling or roof, common sense needs to be applied. The enclosed space could, in extreme conditions, still exceed any temperature or humidity restrictions nominated in a TDS and should therefore be measured. Wherever measurements are taken, records shall be kept.

Equipment/Standard	Requirement ⁽¹⁾			
	Class 18			
Temperature - Ambient	O			
Relative Humidity - Electronic	O			
Whirling Psychrometer	O			
Dew Point – Electronic	O			
Dew Point – Calculator	O			
Optical Magnifier (x10)	O			
Wet Film Thickness Gauge	O			
Dry Film Thickness 0-500µm	O			
Dry Film Thickness 1-10mm	O			
Set of Primary Shims	O			
Pencil Hardness Set	O			
Moisture meter	M			
Adhesion Tester	O			
Masking Tape	M			
Stanley Knife/Scalpel	M			
Tape measure – 8m minimum	M			
Pull-off adhesion tester	O			

Note 1: M = Mandatory that equipment is owned or can be hired/leased/borrowed.
O = Optional.

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15.2 Surface preparation equipment

Equipment	Requirement ⁽¹⁾			
	Class 18			
Diamond grinder - hand	M			
Diamond grinder – walk behind	O			
Scarifier	O			
Angle Grinder	M			
Disk Sander	M			
Orbital Sander	M			
Shot blast – captive system	O			
Dust collection system	M			
Jack hammer	O			
Diamond saw	M			
Wheel barrow	O			
High pressure water blaster	O			
Safety Clothing/Spectacles	M			
First Aid/Eye Wash Bottles	M			
PPE appropriate to activity	M			

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15.3 Application equipment

Equipment	Requirement ⁽¹⁾			
	Class 18			
Hand trowels	M			
Conventional Spray Gun	O			
Airless Spray Gun	O			
Paint Rollers	M			
Brushes	M			
Covered Paint Store	M			
Measuring equipment - weight	M			
Measuring equipment - volume	M			
Power mixing equipment	M			
Appropriate lighting	O			
Trestles	M			
Vacuum Cleaner	O			
Vacuum Surface Prep. Tools	O			
Respirators	M			
Flame Proof Lighting	M			
Exhaust Conduits/Flexible	O			
Extractor fans/sleeves	M			
Appropriate signage	O			
Storage Capacity	M			
Tape measure	M			
Wheelbarrows & shovels	O			
High Pressure Water Washers	M			
PPE in accordance with MSDS	M			

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O = Optional.