



Australian Government

CPCCPD3021 Prepare existing coated surface for painting

Release: 5

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Modification History

- Release 5 Updated reference to general construction induction training program.
- Release 4 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.5.
Amended Knowledge Evidence.
- Release 3 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.4.
Correction to Training Package title in the Modification History from CPC Property Services to CPC Construction, Plumbing and Services Training Package Release 1.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Minor edits to formatting.
- Release 1 This version first released with CPC Property Services Training Package Release 5.0.
Supersedes and is equivalent to CPCCPD3021A Prepare surfaces for painting.
Minor title change. Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to restore, repair and prepare different material surfaces for the application of paint.

A person who has achieved this unit of competency would be expected to take responsibility for organising and completing these tasks with a high degree of self-direction.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

CPCCWHS200 Apply WHS requirements, policies and procedures in the construction

1 industry

Unit Sector

Painting and Decorating

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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|---------------------------------------|---|
| 1 Plan and prepare. | 1.1 Review work instructions to prepare surfaces for painting. |
| | 1.2 Plan all work to meet relevant requirements of Australian Standards, work health and safety (WHS), Commonwealth and state or territory legislation, environmental plans and obligations, manufacturers' specifications, and workplace requirements. |
| | 1.3 Select and fit personal protective equipment (PPE) as required for each task. |
| | 1.4 Inspect work site, assess hazards and apply risk controls, including required signage and barricades. |
| | 1.5 Select tools and equipment, check for serviceability and rectify/report any faults. |
| 2 Prepare previously coated surfaces. | 2.1 Determine and test condition and nature of existing substrate and surface material by performing adhesion test. |
| | 2.2 Select surface preparation method in accordance with environmental, finish and substrate requirements. |
| | 2.3 Prepare surfaces by removing unwanted coatings and loose debris. |
| | 2.4 Repair surface defects, apply suitable primer, stop, fill and sand imperfections to smooth finish ready for painting. |

- 3 Clean up.
 - 3.1 Clean up, meeting all legislative and workplace requirements for safety, waste disposal, materials handling and protection of the environment.
 - 3.2 Clear work area, reuse or recycle materials and place waste and unwanted materials into job waste bins or rubbish stockpile.
 - 3.3 Check and maintain tools and equipment and clean with appropriate solvents.
 - 3.4 Dispose of paint waste and of water and solvents used in cleaning tools and equipment in an environmentally sustainable manner.
 - 3.5 Store tools, equipment and sealed unused materials to avoid spontaneous ignition.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCCPD3021A Prepare surfaces for painting.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCPD3021 Prepare existing coated surface for painting

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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by preparing the following previously coated surfaces for painting:

- an external timber surface to a minimum of two square metres
- two internal surfaces
 - one plaster to a minimum of two square metres
 - one timber to a minimum of two square metres
- a metal surface to a minimum of two lineal metres
- a masonry surface to a minimum of two square metres

In preparing these surfaces the following equipment must be used:

- chemical strippers
- drop sheets
- duster brushes

- filling knives and blades
- hammers
- hand sanders
- heat removal equipment
- mechanical sanders
- nail punches
- scrapers
- water blasters
- wire brushes.

All work must be performed to the standard required in the workplace and must meet the requirements of Australian Standards, work health and safety (WHS), Commonwealth and state or territory legislation, manufacturers' specifications, and environmental plans and obligations.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- safety requirements relevant to preparing existing coated surface for painting
- environmental requirements relevant to preparing existing coated surface for painting
- corrosion processes and techniques for the protection of metals relevant to preparing existing coated surface for painting
- hazards and risk reduction procedures associated with lead, asbestos, solvents, chemicals, silica and dust
- techniques for removing substrate and surface contaminates:
 - dust
 - films of grease
 - mild chalking
 - mild efflorescence
 - mould
 - paint films that are:
 - blistering
 - corrosion
 - flaking
 - peeling
 - cracking
 - smoke damage
- prevention and/or rectification procedures for surface coating defects
- procedures, products and techniques associated with preparation of existing surfaces:
 - chemical stripping
 - grinding
 - sanding (mechanical and hand)
 - scraping

- use of heat guns
- washing down
- water blasting
- types, characteristics, uses and limitations of tools and equipment:
 - drop sheets
 - duster brushes
 - filling knives and blades
 - hammers
 - hand sanders
 - heat removal equipment
 - mechanical sanders
 - nail punches
 - scrapers
 - water blasters
 - wire brushes
- adhesion testing and remedial actions
- quality requirements relevant to preparing existing coated surface for painting.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed:

- in the workplace or a close simulation of the workplace environment, provided that simulated or project-based assessment techniques replicate construction workplace conditions, materials, activities, responsibilities and procedures
- using realistic tasks or simulated tasks, relevant specifications and work instructions, standard work practices, safety requirements and environmental constraints.

Links

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