



Australian Government

Assessment Requirements for CPCCPD3033 Apply intumescent coatings

Release: 3

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Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 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 This version first released with CPC Property Services Training Package Release 5.0.
Supersedes and is equivalent to CPCCPD3033A Apply intumescent coatings.
Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by preparing and applying the following intumescent coating applications to film thickness specification:

- one application on a minimum two square metre or three linear metre timber surface
- one application on a minimum two square metre or three linear metre structural steel surface.

All work must be performed to the standard required in the workplace and must meet the requirements of 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 applying intumescent coatings
- environmental requirements relevant to applying intumescent coatings
- manufacturers' specifications for applying intumescent coatings
- materials, including:
 - primers
 - water-based intumescent coatings
 - solvent-based intumescent coatings

- suitable clear finishes for protection of the coating
- structural metal, including:
 - beams
 - columns
- job site and humidity requirements
- chemical properties of intumescent coatings
- chemical reaction in fire situation
- coating requirements for structural metal work, including coating performance differences between hollow and concrete-filled structures
- coating requirements for timber
- compatibility of coatings to substrates
- fire resistance level (FRL) rating of intumescent coatings for a range of construction materials
- materials storage and environmentally friendly waste management
- interpreting plans and specifications for intumescent coatings
- processes for the calculation of material requirements relevant to applying intumescent coatings
- quality requirements relevant to applying intumescent coatings
- volume solids behaviour and impact on intumescent coatings performance.

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

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>