



Australian Government

CPCCB3018 Install aerated autoclaved concrete products

Release: 2

CPCCL3018 Install aerated autoclaved concrete products

Modification History

Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.

Knowledge Evidence formatted for clarity.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCCL3018A Install aerated autoclaved concrete products. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to install aerated autoclaved concrete (AAC) products to walls and floors of different types and styles of buildings.

It includes installing AAC blockwork, lintels, floor panels and wall panels to buildings or structures.

The unit applies to bricklayers and block layers who work on new and existing structures. It is suitable for people operating with some autonomy. A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without needing close supervision.

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

CPCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Unit Sector

Bricklaying and Blocklaying

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 Prepare for work. | 1.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. |
| | 1.2 Read, interpret and apply AAC installation requirements from current plans, specifications, standards and codes. |
| | 1.3 Follow requirements in workplace safety and environmental documentation and workplace procedures. |
| | 1.4 Use measurements and apply formulas to calculate material quantities from plans and specifications. |
| | 1.5 Determine job priorities and sequence job tasks in consultation with others on site. |
| | 1.6 Identify potential hazards and determine and implement control measures. |
| | 1.7 Select and check condition of plant, equipment and tools and report damage or faults to relevant person. |
| | 1.8 Check conformity of materials against the specifications. |
| 2 Set out AAC blocks. | 2.1 Set out and mark base blockwork gauge and bond. |
| | 2.2 Set position of damp-proof course (DPC) and wall ties. |
| | 2.3 Set out and mark load bearing blockwork. |
| | 2.4 Set out door and window positions. |
| 3 Lay AAC blockwork. | 3.1 Mix adhesive and check consistency with job and manufacturer's requirements and apply evenly to AAC blocks. |
| | 3.2 Lay blocks level, plumb and to a straight line. |
| | 3.3 Install damp proofing and all associated ties. |
| | 3.4 Cut blocks accurately to maintain even bond at end of course and into openings. |

- 3.5 Install AAC lintels level, straight and maintain bond and gauge to openings.
 - 3.6 Fix all brackets for control joints for internal, external and wall junctions and roof tie down.
 - 3.7 Remove excess adhesive in preparation for wall finish.
- 4 Install AAC floor panels.
 - 4.1 Check floor supports are level and prepared for the AAC floor panels.
 - 4.2 Check floor panel size, span for load design and install panels applying the manufacturer's fitting requirements.
 - 4.3 Place reinforcement rods between the panels and apply concrete grout to a solid and flat finish.
 - 4.4 Remove excess grout in preparation for floor finish.
- 5 Install AAC wall panels.
 - 5.1 Check base is level and prepared for specified tie downs.
 - 5.2 Set out vertical panels for load bearing application and horizontal panels for cladding to manufacturer's specifications.
 - 5.3 Lay horizontal or vertical panels level, plumb and to a straight line using the recommended installation process.
 - 5.4 Fix specified brackets to panel joints, internal, external or T intersections, structural supports and roof tie downs.
 - 5.5 Install all damp proofing and sealants.
 - 5.6 Remove excess adhesive and repair any damaged panels in preparation for wall finish.
- 6 Clean up.
 - 6.1 Clear the work area, and dispose of, reuse or recycle materials following workplace and environmental requirements.
 - 6.2 Clean tools and equipment, check for serviceability and report damage or faults.
 - 6.3 Store and secure tools and equipment following

workplace procedures.

Foundation Skills

Candidates require:

- technology skills to:
 - use digital tools and devices to source job information and communicate effectively with others.

Unit Mapping Information

Supersedes and is equivalent to CPCCB3018A Install aerated autoclaved concrete products

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>