



Australian Government

CPC CST4003 Undertake preparations for refractory work

Release: 2

CPCST4003 Undertake preparations for refractory work

Modification History

Release 2 Updated reference to general construction induction training program.

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

Supersedes and is equivalent to CPCCBC4041A Undertake preparations for refractory work. Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to prepare for the commencement of work using refractory bricks and materials. It includes preparing for the construction or repair of various fire resistant structures, including boilers, kilns and industry furnaces.

It applies to specialist and advanced tradespeople working in refractory bricklaying using quality materials as specified by engineers.

This unit is suitable for people operating with autonomy. A person working at this level would be expected to take responsibility for the preparation of refractory work.

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

Nil

Unit Sector

Stonemasonry

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 the work. | 1.1 Read, interpret and apply refractory construction requirements from current plans, specifications, standards and codes. |
| | 1.2 Obtain, interpret and follow relevant information from work health and safety (WHS), workplace procedures and environmental documentation. |
| | 1.3 Use measurements and apply formulas to calculate material quantities from plans and specifications. |
| | 1.4 Determine job priorities and sequence job tasks in consultation with others on site. |
| | 1.5 Identify potential hazards and determine and implement control measures. |
| 2 Prepare for refractory work. | 2.1 Check quantity of delivered materials against the delivery docket and order list. |
| | 2.2 Examine materials for conformity with specification, repudiate non-conforming or damaged materials and report to relevant person. |
| | 2.3 Select and check serviceability of equipment and tools and set aside and report any faulty or damaged equipment. |
| | 2.4 Select, fit and use personal protective equipment. |
| 3 Prepare site for commencement of work. | 3.1 Establish position of project for refractory work from plans. |
| | 3.2 Load refractory materials in preparation for job commencement ensuring materials are blended from each pallet. |
| | 3.3 Mix refractory mortar consistently to design requirements. |
| | 3.4 Load mortar onto boards and maintain sufficient volume and flow of materials during construction. |

Foundation Skills

As well as the foundation skills explicit in the performance criteria of this unit, candidates require:

- technology skills to:
 - use communication tools and devices to communicate and collaborate effectively with others
 - use equipment and programs to access and extract information and develop relevant project schedules and documentation.

Unit Mapping Information

Supersedes and equivalent to CPCCBC4041A Undertake preparations for refractory work.

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>