



Australian Government

Assessment Requirements for CPCPRE2002 Remove temporary supports from prefabricated concrete elements

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 9.0.
Newly created unit.

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by:

- removing bracing and propping supports from two prefabricated concrete elements one of which must be a prefabricated concrete wall panel element of a height not less than 7 metres and width 3 metres.

Knowledge Evidence

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

- compliance requirements of codes and Australian Standards relevant to joint caulking of prefabricated concrete elements:
 - AS 3850.1, 2 & 3 Prefabricated concrete elements
 - environmental protection and waste disposal
- work health and safety (WHS) regulations, including:
 - Safe Work Australia 'Guide to managing risk in construction: prefabricated concrete' 2019
 - use of personal protective equipment (PPE) as specified on the safety data sheet (SDS)
 - risk when working at heights/on ladders
 - fall protection
 - drop zones
 - hazardous substances
 - safe manual handling techniques
- faulty manufacturing and concrete defects which could compromise the strength of the prefabricated elements and pose a potential safety issue for lifting and handling
- types of drawings and specifications used to interpret concrete installation requirements
- erection design documentation
- prefabricated concrete brace and prop specifications, including:
 - erection sequence

- orientation of prefabricated concrete elements
- bracing details, including type and angle
- requirement for erection brace and prop footings
- levelling shims
- drawings
- types of bracing, including:
 - single storey (drop-in) panel propping
 - double storey (spin-up) panel propping
 - panel to panel propping
 - beam propping
 - spandrels propping
 - column bracing
 - lateral bracing
 - end bracing
 - main bracing
 - knee bracing
 - deadman bracing
- associated brace parts, including:
 - bolts
 - anchors
 - knee braces
- types of propping, including:
 - single props (Acrow)
 - single frame
 - continuous frame
- associated prop parts, including:
 - scaffold
 - acrow props
 - frames
 - bolts
 - bracing
- types of concrete prefabricated elements, including:
 - panels
 - columns
 - beams
 - planks
 - stairs
 - barriers
- workplace requirements when working with prefabricated concrete elements:
 - cleaning up the work area

- maintaining and storing plant, labelling, tools and equipment
- adhering to manufacturer specifications
- reporting problems
- quality
- types of prefabricated concrete elements
- fire rating requirements relevant to prefabricated concrete elements
- workplace procedures related to communication protocols
- principles of sustainability relevant to material reuse
- work planning and logical task sequencing
- types, characteristics and limitations of tools, equipment and materials required for propping and bracing prefabricated concrete elements, including:
 - chain slings
 - flexible steel wire rope (FSWR) slings
 - air winches
 - chain blocks
 - chain blocks
 - drifts
 - eye bolts
 - hammers
 - jacks
 - podgers
 - pulley blocks
 - shackles
 - spanners
 - spirit levels and automatic levels
 - tape measures
 - trolleys
 - turn buckles
 - wedges
 - wrenches.

Assessment Conditions

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

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to erection design documentation, materials, plant, manufacturer specifications, tools and equipment required to achieve the performance evidence.

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>