UNIT CODE	CPCCST3020
UNIT TITLE	Produce reconstituted stone
APPLICATION	This unit specifies the skills and knowledge required to produce reconstituted stone. It includes creating and using moulds, mixing and pouring selected materials and finishing selected surfaces. This unit applies to stonemasons who work independently or in a team to produce reconstituted stone relating to stonemasonry work in a workshop setting, on a new or existing structure. 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 *CPCCWHS1001 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.
PREREQUISITE UNIT	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1. Plan and prepare.	1.1 Read, interpret and apply reconstituted stone requirements from current job specifications, standards and codes. 1.2 Follow relevant information from workplace procedures, workplace safety and environmental documentation. 1.3 Use formulas to calculate material quantities for job requirements. 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. 1.6 Select and check condition of plant, equipment and tools and

	report damage or faults to relevant person. 1.7 Check conformity of materials against the specifications.
2. Produce reconstituted stone	2.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 2.2 Prepare forms and existing moulds ready for placement of aggregate mix according to job requirements. 2.3 Place forms flat and in wind, and place reinforcement as specified. 2.4 Measure and mix aggregates and ingredients to the required consistency. 2.5 Fill forms with mixed aggregate and consolidate mix using light vibration. 2.6 Screed mix flat in line with top of forms, compact and allow to cure. 2.7 Remove reconstituted stone from form manually or by mechanical means and position for grinding. 2.8 Grind face of stone thoroughly to expose aggregate. 2.9 Fill voids or imperfections evenly matching stone and aggregate colour. 2.10 Polish surface to produce a flat and freeform blemish finish.
3. Clean up	3.1 Clear the work area, and dispose of, reuse or recycle materials following workplace and environmental requirements. 3.2 Clean tools and equipment, check for serviceability and report damage or faults. 3.3 Store and secure tools and equipment following workplace procedures.
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 CPCCST3020A Produce reconstituted stone
LINKS	Companion volumes to this training package are available at the VETNet website: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-

	68b8-4097-b099-030a5569b1ad

TITLE	Assessment requirements for CPCCST3020 Produce reconstituted stone

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by producing a minimum of a 600 mm x 600 mm reconstituted stone.

In doing this, the candidate must:

- set out forms parallel, square and in wind
- mix and apply ingredients and compact to job specifications
- remove stone without damage and polish one surface to produce a flat and freeform blemish finish

KNOWLEDGE EVIDENCE

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

- characteristics, applications and limitations of specified materials for producing reconstituted stone:
  - sand, cement and aggregate
  - adhesives, compounds and abrasive products
- processes and techniques for producing reconstituted stone:
  - placing, levelling and compacting materials
  - polishing and grinding
  - safe handling of materials
- types of forms and moulds used for producing reconstituted stone
- functional and operational features of plant, equipment and tools:
  - mixing and compacting equipment
  - grinding and polishing tools
  - battery operated tools
- workplace processes and procedures
- workplace safety:
  - exposure to silica
  - job safety and environmental analysis (JSEA)
  - hazardous manual tasks
  - exposure to excessive noise
  - hazardous materials
- environmental requirements for workplace processes and waste disposal
- standards and codes relating to producing reconstituted stone
- digital technology and use of devices to source information and communicate with others.

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 reflecting workplace conditions and standards, materials, equipment, activities, responsibilities, procedures, safety requirements and environmental considerations.	
LINKS	Companion volumes to this training package are available at the VETNet website: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad