

# Summary of Changes

## Project Overview

Crystalline silica used in engineered stone, poses a health risk to workers during activities like cutting, crushing, drilling, polishing, sawing, or grinding. This generates fine dust particles that can lodge deep in the lungs, leading to severe lung diseases, including silicosis.

Between March and June 2023 Safe Work Australia (SWA) undertook analysis and consultation on the use of engineered stone. On 13 December 2023, WHS Ministers agreed to Safe Work Australia's recommendation to prohibit the use of all engineered stone under the model WHS laws. The use, supply and manufacture of all engineered stone was prohibited from 1 July 2024.

With the prohibition on the use, supply, and manufacture of engineered stone in Australia (from 1 July 2024), a critical need has emerged to review and update existing nationally recognised training products associated with crystalline silica to comply with the new regulations. This review includes the three endorsed units and revisiting unit CPCSIL1001 (not endorsed).

The purpose of this project is to:

- Review and update the current crystalline silica units (CPCSIL2001 Use and maintain respiratory protective equipment, CPCSIL3001 Work with products and materials containing crystalline silica, and CPCSIL4001 Supervise and manage work with products and materials generating respirable crystalline silica) to comply with the new regulations;
- Explore and potentially redevelop the non-endorsed silica unit (CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica) for inclusion on the national training register; and
- Update the Construction, Plumbing and Services (CPC) Training Package qualifications listed in the summary of changes below to include the reviewed and new unit of competency within the elective units list.

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For the remaining training products that require an update, and which are not within BuildSkills Australia's (BuildSkills) remit, BuildSkills will engage with the relevant accrediting authority (VRQA) at an early stage to ensure there is consensus on the proposed approach. Ultimately, VRQA will need to process the change to their own accredited courses.

## Summary of changes

BuildSkills is proposing the following amendments to **Qualifications**:

Current unit code and title	Proposed replacement unit code and title	Status	Core / Elective	Proposed amendments and modification history
<i>CPC20822 Certificate II in Prefabricated Concrete Element Installation - Major change</i>				
	CPCSIL1XX1 Identify products and materials containing crystalline silica	New	Elective	Added new unit of competency.
CPCSIL2001 Use and maintain respiratory protective equipment	CPCSIL2XX1 Use and maintain respiratory protective equipment	Not equivalent	Elective	Added updated superseded unit of competency. Supersedes and is <b>not</b> equivalent to CPCSIL2001. Changes to the unit include: <ul style="list-style-type: none"> <li>• Unit code</li> <li>• Application</li> <li>• Performance Criteria</li> <li>• Assessment Requirements</li> </ul> Note: This unit is a prerequisite unit for CPCSIL3001 Work with products and materials containing crystalline silica.
CPCSIL3001 Work with products and materials containing crystalline silica	CPCSIL3XX1 Work with products and materials containing crystalline silica	Not equivalent	Elective	Update superseded unit of competency. Supersedes and is <b>not</b> equivalent to CPCSIL3001. Changes to the unit include: <ul style="list-style-type: none"> <li>• Unit code</li> <li>• Performance Criteria</li> <li>• Assessment Requirements.</li> </ul>
<i>CPC32320 Certificate III in Stonemasonry - Major change</i>				
CPCSIL2001 Use and maintain respiratory protective equipment	CPCSIL2XX1 Use and maintain respiratory protective equipment	Not equivalent	Elective	Updated superseded unit of competency. Supersedes and is <b>not</b> equivalent to CPCSIL2001. Changes to the unit include: <ul style="list-style-type: none"> <li>• Unit code</li> <li>• Application</li> </ul>

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Current unit code and title	Proposed replacement unit code and title	Status	Core / Elective	Proposed amendments and modification history
				<ul style="list-style-type: none"> <li>Performance Criteria</li> <li>Assessment Requirements.</li> </ul>
CPCSIL3001 Work with products and materials containing crystalline silica	CPCSIL3XX1 Work with products and materials containing crystalline silica	Not equivalent	Elective	Update superseded unit of competency. Supersedes and is <b>not</b> equivalent to CPCSIL3001. Changes to the unit include: <ul style="list-style-type: none"> <li>Unit code</li> <li>Performance Criteria</li> <li>Assessment Requirements.</li> </ul>
<i>CPC41020 Certificate IV in Demolition - Major change</i>				
CPCSIL4001 Supervise and manage work with products and materials generating respirable crystalline silica	CPCSIL4XX1 Supervise and manage work with products and materials generating respirable crystalline silica	Not equivalent	Elective	Update superseded unit of competency. Supersedes and is <b>not</b> equivalent to CPCSIL4001. Changes to the unit include: <ul style="list-style-type: none"> <li>Unit code</li> <li>Performance Criteria</li> <li>Assessment Requirements.</li> </ul>
CPCUDE4006 Demolish stressed panel structure and pre-cast panel structure	N/A	N/A	Elective	Unit code marked with an asterisk as a prerequisite requirement must be met.

## Summary of changes

BuildSkills is proposing the following amendments to **units of competency**:

Current unit code and title	Proposed replacement unit code and title	Status	Core / Elective	Modification history and proposed amendments
<i>CPCSIL1XX1 Identify products and materials containing crystalline silica – New unit</i>				
	CPCSIL1XX1 Identify products and materials containing crystalline silica	New	Elective	
<i>CPCSIL2001 Use and maintain respiratory protective equipment – Major change</i>				
CPCSIL2001 Use and maintain respiratory protective equipment	CPCSIL2XX1 Use and maintain respiratory protective equipment	Not equivalent	Elective	<p>Major and minor amendments proposed to update references to asbestos throughout the unit and assessment requirements content, and reflect correct and current respiratory protective equipment testing and practices.</p> <p>Proposed update:</p> <p><b>Application:</b> removal of the words "personal protective equipment (PPE), including"; and addition of the words "and asbestos".</p> <p><b>Performance Criteria:</b></p> <p>1.1 addition of the words "and asbestos";</p> <p>2.2 addition of the words "qualitative or quantitative facial";</p> <p>2.5 addition of the words ",don and doff";</p> <p>2.6 removal of the performance criteria;</p> <p>3.1 changed to read "Dispose of used disposable RPE correctly in accordance with WHS procedures and manufacturer instructions";</p> <p>PC 3.2 and 3.3 reordered and changed to read –</p> <p>3.2 Clean, inspect, assess for serviceability, and store non-disposable RPE in accordance with WHS procedures and manufacturer instructions</p> <p>3.3 Record and report findings of serviceability inspections in accordance with WHS procedures and manufacturer instructions."</p> <p><b>Performance Evidence:</b></p>

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				<p>Bullet point 2 changed to read "Confirmed fit test of RPE relevant for use with crystalline silica (CS) and asbestos."; and            new Bullet point 3 "Record and report findings of serviceability inspections."  <b>Knowledge Evidence:</b>            Bullet point 1 addition of the words "or asbestos";            Bullet point 5, sub-bullet point 4 to 5 changed to read "donning" and "doffing", sub-bullet point 6 removed;            Bullet point 6 changed to read "limitations of RPE, including the requirement for a clean-shaven face when using tight-fitting models to ensure an effective seal".</p>
<i>CPCSIL3001 Work with products and materials containing crystalline silica – Major change</i>				
CPCSIL3001 Work with products and materials containing crystalline silica	CPCSIL3XX1 Work with products and materials containing crystalline silica	Not equivalent	Elective	<p>Major and minor amendments throughout the unit and assessment requirements content, to reflect correct and current industry practice and WHS regulatory requirements related to crystalline silica.            Proposed update:  <b>Performance Criteria:</b>            1.5 changed to read "Assess the risk of exposure to airborne RCS for all identified products, materials and task to determine the risk level in accordance with WHS requirements.";            1.7 changed to read "Review the relevant safety documentation for planned work activity and work environment and report issues to supervisor where required.";            2.5 changed to read "Perform work activities, monitor and adjust risk control measures where require in accordance with WHS requirements.";            PC 3.4 and 3.5 reordered;            4.2 removal of the word "on", and addition of the words "as required".  <b>Performance Evidence:</b>            Bullet point 1 addition of the words ", cleaning and maintenance";            Bullet point 2 addition of the words "removal and disposal", and "and the correct use of"; and</p>

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				<p>new Bullet point 3 "Review and report on effectiveness of control measures and make improvement recommendations based on observation and workplace documentation."</p> <p><b>Knowledge Evidence:</b></p> <p>Bullet point 1 removal of the words "risk" and measures";</p> <p>Bullet point 3, sub-bullet point "natural stone" changed to "natural stone materials", added two new bullet points "sand", and "mulch";</p> <p>Bullet point 4 Bullet point 4 removal of the words "such as" addition of the word "including"; Bullet point 4, sub-bullet point 4 to 7 changed to read "grinding", "chiselling", "abrasive polishing" and "exfoliating or flaming";</p> <p>Bullet point 5 changed to read "additional work activities that could generate respirable silica dust particles may include:";</p> <p>Bullet point 5, sub-bullet point 10 to 13 changed to read "angle grinding, jack hammering, chiselling, tuck pointing, and wall chasing of concrete or masonry", hydraulic fracturing of gas and oil wells", "removing form work" and "cleaning activities";</p> <p>Bullet point 6 new sub-bullet point 4 "concrete mixing plants";</p> <p>Bullet point 7 split into two separate bullet points - 7 and 8;</p> <p>new Bullet point 9 "AS 23875 Mining - Air quality control systems for operator enclosures - performance requirements and test methods";</p> <p>Bullet point 16 changed to read "characteristics, limitations and application of RPE and factors affecting effectiveness of RPE such as beards and facial hair";</p> <p>Bullet point 18, new sub-bullet point 7 "silica risk control plan".</p> <p><b>Assessment Conditions:</b></p> <p>Bullet Point 4 changed to read "appropriate documents, materials, tools, equipment, PPE and RPE currently approved for use in industry and worksite according to jurisdictional work health and safety requirements".</p>
<p><i>CPCSIL4001 Supervise and manage work with products and materials generating respirable crystalline silica – Major change</i></p>				

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Current unit code and title	Proposed replacement unit code and title	Status	Core / Elective	Modification history and proposed amendments
CPCSIL4001 Supervise and manage work with products and materials generating respirable crystalline silica	CPCSIL4XX1 Supervise and manage work with products and materials generating respirable crystalline silica	Not equivalent	Elective	<p>Major and minor amendments throughout the unit and assessment requirements content, to reflect correct and current industry practice and WHS regulatory requirements related to crystalline silica.</p> <p>Proposed update:</p> <p><b>Application:</b> addition of the words "tunnelling,".</p> <p><b>Performance Criteria:</b></p> <p>1.1 addition of the words "policies," and "regulations and legislation," and minor edit;</p> <p>1.2 addition of the words "policies," and "and legislation," and minor edits;</p> <p>1.3 addition of the words "and standards", and minor edits;</p> <p>1.6 addition of the words "policies," and "regulations and legislation",</p> <p>1.7 addition of the words "regulations, legislation and manufacturers' specifications", and minor edit;</p> <p>1.8 addition of the words "policies," and "regulations and legislation";</p> <p>2.1 addition of the words "and secondary exposure to other workers and general public", "policies," and "regulations and legislation";</p> <p>2.4 addition of the words "policies," and "regulations and legislation," and minor edit;</p> <p>2.5 addition of the words "policies," and "regulations and legislation," and minor edit;</p> <p>3.1 removal of the words "where required";</p> <p>3.2 addition of the words "testing results, fit", "policies," and "regulations and legislation," and minor edit;</p> <p>3.5 minor edit;</p> <p>4.1 addition of the words "policies," and "regulations and legislation," and minor edit;</p> <p>4.2 addition of the words "and legislation," and minor edit;</p> <p>4.3 addition of the words "regulations and legislation," and minor edit;"</p>

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				<p>4.4 addition of the words "policies," and ", regulations and legislation,";</p> <p>4.5 addition of the words ", regulations and legislation," and minor edit;</p> <p>4.6 minor edit;</p> <p>4.7 addition of the words "weather and " and ", regulations and legislation," and minor edit;</p> <p>5.1 addition of the words ", regulations and legislation," and minor edits;</p> <p>5.2 addition of the word "reusable" and minor edit;</p> <p>New Performance Criteria "5.3 Safely dispose of disposable RPE and PPE in accordance with manufacturers' instructions and WHS policies, procedures, regulations and legislation.";</p> <p>6.1 addition of the words "policies," and ", regulations and legislation, including", removal of the words "health and safety relevant";</p> <p>New Performance Criteria "6.5 Record and report high risk work relating to CS according to WHS policies, procedures, regulations and legislation.";</p> <p>6.6 addition of the words "policies, procedures, regulations and", removal of the words "and WHS procedures".</p> <p><b>Performance Evidence:</b></p> <p>Bullet point 1 minor edits;</p> <p>Bullet point 3 addition of the words "testing and";</p> <p>New Bullet point 4 "Confirm RPE fit testing results and currency "; and</p> <p>New Bullet point 5 " Confirm workers facial hair is consistent with successful fit test results and standards." .</p> <p><b>Knowledge Evidence:</b></p> <p>Bullet point 4 changed to read "products containing CS, including:";</p> <p>Bullet point 4, sub-bullet point "natural stone" changed to read "natural stone materials", and added new sub-bullet points "sand", and "mulch";</p> <p>Bullet point 5 changed to read "work health and safety (WHS) policies, procedures, regulations and legislation"</p>

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Current unit code and title	Proposed replacement unit code and title	Status	Core / Elective	Modification history and proposed amendments
				<p>New Bullet point 6 “how and when to access the silica register, including:”;</p> <p>New Bullet Point 6, sub-bullet point 1 “to confirm that required health monitoring has been completed before assigning any worker to high-risk silica work”;</p> <p>Bullet point 7 &amp; 8 minor edits;</p> <p>New Bullet point 9 “AS 23875 Mining – air quality control systems for operator enclosures – performance requirements and test methods”;</p> <p>New Bullet Point 10 “AS/NZS 60335.2.69 Classes, filtration and suitability of industrial vacuum cleaners”;</p> <p>Bullet point 10, sub-bullet point 2 addition of the words “ legislation and”;</p> <p>Bullet point 10, new sub-bullet point 3 “related to secondary exposure of other workers and general public”;</p> <p>Bullet point 10, sub-bullet point 4 changed to read “air monitoring”;</p> <p>Bullet point 10, new sub-bullet point 5 “referral for medical assessment:”;</p> <p>Bullet point 10, sub-bullet point 5 new sub-bullet points “prior to undertaking work activity involving CS”, “when a worker reports symptoms”, “when workers are exposed to RCS above the current jurisdictional WHS acceptable safe working average”, “post-exposure to RCS”, and “upon worker ceasing employment”;</p> <p>Bullet point 14 &amp; 15 minor edits;</p> <p>Bullet point 16 addition of the words “reusable PPE and”;</p> <p>New Bullet Point 20 “safe use and disposal of disposable PPE and RPE”;</p> <p>Bullet point 21, sub-bullet point 3 changed to read “not sweeping or blowing of dust”;</p> <p>Bullet point 21, sub-bullet point 4 changed to read “commercial class vacuum cleaners according to jurisdictional requirements”;</p> <p>Bullet point 24, sub-bullet points reordered, and addition of the following words “crushing”, “chiselling”, “abrasive”, “exfoliating or flaming”, “, earth moving and drilling plant operations”, “clay and stone processing machine operations”,</p>

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				<p>“paving and surfacing”, “mining, quarrying and mineral ore treating processes”, “tunnelling”, “construction labouring activities”, “brick, concrete or stone cutting; especially using dry methods”, abrasive blasting (blasting agent must not contain greater than 1 per cent of CS)_foundry casting”, “<sub>1</sub> tuck pointing and wall chasing”, “</p> <p>removing form work”, and “cleaning activities” ;</p> <p>Removed Bullet point 29.</p> <p><b>Assessment Conditions:</b></p> <p>Paragraph 1, sentence 2 removed and replaced with “A simulated workplace is one that fully replicates the resources, environment and any time and productivity pressures that exist in the actual workplace, and which meets industry standards for safety and environmental practices.”;</p> <p>Bullet Point 4 addition of the word “guideline”.</p>

## All training products impacted by superseded and new units of competency

National Code	National Title	Unit Code	Core/ Elective
<b>CPC20822</b>	Certificate II in Prefabricated Concrete Element Installation	CPCSIL1XX1	Elective
		CPCSIL2XX1	Elective
		CPCSIL3XX1	Elective
<b>CPC32320</b>	Certificate III in Stonemasonry	CPCSIL2XX1	Elective
		CPCSIL3XX1	Elective
<b>CPC41020</b>	Certificate IV in Demolition	CPCSIL4XX1	Elective
<b>22663VIC</b>	Certificate III in Prefabrication Installation	CPCSIL3XX1	N/A
<b>22665VIC</b>	Course in Concrete Precast Rectification	CPCSIL3XX1	N/A