Title	**Carry out mosaic tiling on site**		
Level	**4**	**Credits**	**17**

Purpose	People credited with this unit standard are able to: demonstrate knowledge of mosaic tiling; prepare materials and substrate for mosaic tiling on site; apply mosaic to flat surfaces on site; apply mosaic to curved surfaces on site; finish tile faces for mosaic tiling on site; and complete work operations.

Classification	Construction Trades > Floor and Wall Tiling

Available grade	Achieved

Guidance Information

1 Definitions
Mosaic tiling refers to creating an aesthetic effect by the application of small tiles to a surface.
Sealant refers to flexible joint filler that is applied to movement joints within tiling jobs.
Specifications refers to documented instructions (oral, written, graphic) and may include any of the following: manufacturer's specifications, recommendations or technical data sheets; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.
Work site practice refers to the documented procedures specific to a work site which set out the standard and required practices of that work site.

2 Credit for this unit standard indicates compliance with industry practice. *Industry practice* refers to the ability to work unsupervised, demonstrating knowledge and skills that reflect the productivity, uniformity, finish quality and material economies currently accepted within industry.

3 Legislation and publications relevant to this unit standard include:
Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995;
Building Act 2004;
Resource Management Act 1991;
AS 3958.1:2007, Ceramic tiles - *Guide to the installation of ceramic tiles*; available from https://www.saiglobal.com/pdftemp/previews/osh/as/as3000/3900/3958.1-2007.pdf.

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Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of mosaic tiling.

Performance criteria

1.1 Tiles used for creating mosaics are identified and described in terms of types and uses.

1.2 Procedures for creating mosaics are explained in accordance with the manufacturer's specifications and work site practice.

Outcome 2

Prepare materials and substrate for mosaic tiling on site.

Range flat surface, curved surface.

Performance criteria

2.1 Installation requirements are determined from job specifications.

2.2 Area and surface to be tiled is checked and confirmed as compliant with specifications, and actions taken in the event of non-compliance are in accordance with work site practice.

2.3 Checks are performed to verify that tiles conform to specifications for type, size, calibration, colour, batch and suitability for purpose in accordance with work site practice.

2.4 Any work of other trades is identified and protected against damage from tiling operations, site is protected against run-off in accordance with legislation, and surfaces are cleaned in accordance with job and site requirements.

2.5 Surface is prepared to a finish suitable for application of tiles in accordance with specifications.

Outcome 3

Apply mosaic to flat surfaces on site.

Performance criteria

3.1 Tiles are marked to identify the section of application in accordance with the layout plan.

3.2 Adhesive is applied to substrate, and tiles or mosaic sheets are laid in accordance with manufacturer's and job specifications.

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3.3 Mosaic tiles are positioned prior to final set and adjusted to ensure the specified mosaic lines and spaces are consistent.

3.4 Surface is finished so that the face of tiles are flush and the surface flat.

Outcome 4

Apply mosaic to curved surfaces on site.

Performance criteria

4.1 The extent of the curve is established from site inspection and the datum line is set out around the wall in accordance with work site practice.

4.2 Tiles are set out to determine design balance and to identify any cutting requirements.

4.3 Tile laying method is determined and the location of the first tile is identified from the datum line and specifications.

4.4 Substrate surface is checked to ensure rendering is in accordance with specifications, and action is taken in the event of non-compliance, in accordance with work site practice.

4.5 Adhesive is prepared to manufacturer's specifications and tiles are fixed level plumb, flush, and square in accordance with specifications.

Outcome 5

Finish tile faces for mosaic tiling on site.

Performance criteria

5.1 Tiled surface is cleaned free of dust and adhesive in accordance with work site practice.

5.2 Grout is mixed and applied to mosaic surface in accordance with manufacturer's and job specifications.

5.3 Finished mosaic surface is cleaned and polished in accordance with job specifications.

Outcome 6

Complete work operations.

Performance criteria

6.1 All operations are safely completed; workplace, tools, plant and equipment are cleaned; and tools, plant and equipment are stored in accordance with work site practice.

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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 February 2011	31 December 2024
Review	2	30 June 2022	31 December 2024

Consent and Moderation Requirements (CMR) reference	0048

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

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