



# 0631 Ceramic Tiling

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# 00 Design principles

## 0.01 Main Considerations

It is a requirement to undertake the [PLANNING AND DESIGN/ 0001R - DESIGN REFERENCE](#) and [GLOSSARY OF TERMS](#) information into all aspects of design, detailing and delivery when developing the content here within. Clear demonstration of adherence to these requirements is part of the services and will be called upon at key points in the project and during at the discretion of the Department of Education (DoE).

Other considerations include:

- Joint locations
- Bonded vs unbonded screeds
- Efflorescence control
- Material selection - tiles, grout, adhesive
- Protection of drains prior to tiling
- Slip resistance

## 0.02 Design and Planning

The manufacturer or technical representative of the tile adhesive must:

- Develop a specification for the tiling system which includes adhesive, grout, sealants and secondary membrane (where required).
- Considerations should be given to:
  - Specific requirements of each area
  - Service conditions when in use
  - Type of substrate
  - Dimensions of the tiles
  - Selection of adhesives
  - Installation constraints

## 0.03 Wet areas

- Sanitary, non-slip for floors of toilets and showers
- Impervious, water-resistant
- Flush edged tiles with flush grouting in Assisted Toilets and Special Unit Toilets

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# Specification

GUIDE NOTE: Refer to EFSG – [0001C DESIGN CHECKLIST - FINISH](#)

## 01 General

As per current NATSPEC except as follows:

### 1.1 Wet area walls

Ceramic tiles to wet area walls must extend full height of the wall. Maximum tiling height is to be limited to 2400mm (expected average ceiling height in standardized toilet blocks and wet areas).

## 02 Product

As per current NATSPEC except as follows:

### 2.3 Tiles and Accessories

GUIDE NOTE: Tiles must meet the required pendulum test, wet barefoot test and ramp test ratings and be suitable for use in wet areas and meet the slip resistance ratings. Refer to AS/NZS 4586 and HB 197.

Type: Anti slip vitrified floor tiles and matching vitrified skirting cove tiles

- All floor tiles must have square edges (not bevelled) to enable a flush grout finish.
- Pendulum test rating: V or W
- Wet barefoot test rating: B or C
- Ramp test rating: R11

GUIDE NOTE: Colour selections consider AS1428 for luminance contrast requirements with the functional use of other amenity fittings and fixtures.

Finish/colour: As nominated in Colour Schedule.

Sealing: Vitrified floor tiles are not to be sealed.

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## 03 Execution

As per current NATSPEC except as follows:

GUIDE NOTE: Delete the clause "slip resistant treatment to stair treads" in the NATSPEC Building Template and replace with the following clause:

### 3.6 Falls and Levels

#### Grading

GUIDE NOTE: Delete fall, general nominated in NATSPEC Building Template and include the following:

Fall, general: 1:60 (where practicable)

### 3.9 Grouted and Sealed Joints

#### Grouted joints

GUIDE NOTE: Delete face grouting nominated in NATSPEC Building Template and include the following:

Face grouting: Fill the joints solid and tool flush with face of square edge tile. Clean off surplus grout. Wash down when the grout has set. When grout is dry, polish the surface with a clean cloth.

### 3.11 Completion

Tiles are to be clean and defect free at the time of project handover.

#### Cleaning

Refer to the tile manufacturer's instructions and AS3958.1 for routine and special maintenance. Use only cleaning products and methods recommended by the tile manufacturer. A copy of the manufacturer's cleaning recommendations is to be submitted to the School Principal.

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## 04 Selections

As per current NATSPEC.