



0274 Concrete Pavement

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00 Design principles

GUIDE NOTE: Refer to [00 PLANNING AND DESIGN/0001C DESIGN CHECKLIST - FINISH](#) and [00 PLANNING AND DESIGN/0001C DESIGN CHECKLIST - STRUCTURE](#)

0.01 Main considerations

It is a requirement to undertake the [00 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).

0.02 General requirements

- Unenclosed circulation floor finishes must be broomed or coved concrete finish. Sample panels to be provided for approval.
- Coloured concrete to assembly areas to reduce glare.

Specification

01 General

As per current NATSPEC.

02 Product

As per current NATSPEC except as follows:

GUIDE NOTE: Add the following subclauses to “Products” nominated in NATSPEC Building Template/Worksection

2.9 Step and Treads

Anti-slip tread: Contrasting colour anti slip strip or nosing to define each step.

Refer to [06 FINISH/0612 CEMENTITIOUS TOPPINGS](#)

2.10 Concrete Pavements

Termite control

Refer to [01 GENERAL/0184 TERMITE MANAGEMENT](#) for paving next or close to buildings where termite barriers have been installed.

Coloured (anti-glare) concrete: Ready mixed coloured concrete incorporating a synthetic colouring agent (5% synthetic colouring pigment by weight of the concrete content) for the full depth of the concrete slab.

Location/s: All large areas of concrete: Assembly areas, Games Courts, wide paths and circulation areas, outdoor seating areas, handball courts etc.

Finish: After screeding and floating, give the surface a coarse texture (anti-slip) by scoring with a broom across the surface.

Oxide Colours: To prevent glare the oxide specified must be a deep tone, example oxide colours from Concrete Colour Systems (CCS) and Bayferrox (BFX) listed below.

Table 01: Table of Oxide Colours

Red/Brown tones	Blue/Grey tones	Green tones	Yellow tones
CCS Walnut	CCS Smoke Blue	CCS Kakadu	CCS Golden Bronze
CCS Grape	CCS Gothic Blue	CCS Jungle	BFX Yellow 420
BFX Brown 686	BFX Black B100		

Samples: Supply samples of the specified coloured concrete to the School Principal before construction. Sample Size: (nominal): 150 x150 x 100mm

03 Execution

As per current NATSPEC.

04 Selections

As per current NATSPEC.