

# Insitu Concrete

*Insitu Concrete footpaths are a robust and durable footpath treatment used throughout the shared path network in the park lands and several retail/hospitality precincts within the city.*

## Application:

Refer to CoA City Map Portal - Footpath Wearing Surfaces for application.

## Loading(s):

- Loading Category A - LC-A
- Loading Category B - LC-B
- Loading Category C - LC-C

Refer to CoA representative for footpath loading map.

## Surface Finishes:

- Exposed Aggregate Finish
  - Standard grey concrete
  - 10mm 'Country Tan' aggregate mix - path segments
  - 10mm 'Flinders' aggregate mix - node points
  - 3-4mm surface exposure profile
  - Light acid wash (1part HCl : 10parts H<sup>2</sup>O)
  - Aggregate mixes by Hanson or similar approved
- Charcoal Concrete Finish
  - 'Hanson Kolormasta' Raven or similar approved
  - Paddle/wood trowel finish, circular trowel action, perpendicular to kerb

## Laying Patterns:

- Expansion joint to be provided at 12m centres in both directions (max) when applicable.
- Contraction/tooled joints to be provide at 3m centres in both directions (max) when applicable.
- All joint types to be square and/or parallel to one another, unless noted otherwise on the drawings.
- Refer CoA 431 - 436 for joint details.
- Insitu concrete paving joint ratio shall be in the range of 1:1 (min) to 1:2 (max).

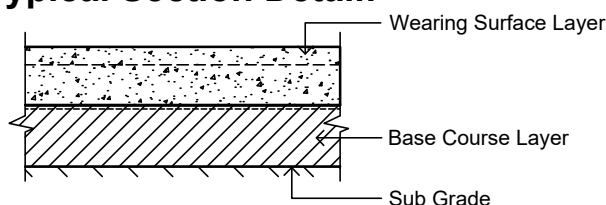


Exposed Aggregate Concrete

## Paver Properties & Criteria:

Material Properties	Test Method(s)	Test Standard(s)	Minimum Requirements
Compressive Strength	N/A	N/A	32 MPa
Slip Resistance	SI: AWL: 201	SAHB 198: 2014	< 1 in 14: P4 > 1 in 14: P5
Slip with A/wear	SI: AWL: 201	N/A	P3 at 10,000 cycles
Skid Resistance	SI: AWT	DIT Tech. Note 24	Minimum grip number 0.4
Skid with A/wear	SI: AWT	N/A	0.3 at 10,000 cycles
Mean Luminous Reflectance Value	AS1428.4.1 -2009	AS1428.4.1 -2009	Luminance contrast w/ integrated TGSIs not less than 30%

## Typical Section Detail:



Refer to CoA 462 for Pavement Requirements

## Standard Drawing References:

### General

- TS 001 - Footpath Technical Specification
- CoA 420 - Loading Category Map
- CoA 421 - Standard Pavement Notes
- CoA 431 - CoA 436 - Joint Details - Insitu Concrete

### Insitu Concrete

- CoA 461 - Wearing Surface Requirements
- CoA 462 - Pavement Requirements

REV	DESCRIPTION	DATE	CONSTRUCTION STANDARDS  PAVEMENTS  INSITU CONCRETE: WEARING SURFACE REQUIREMENTS	 CITY OF ADELAIDE
A	ORIGINAL ISSUE	11/22		

SHEET NUMBER	REVISION
PV044	A