

**0279P PASCO BUZON IN PAVING - ON PEDESTALS****Branded worksection**

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**Worksection abstract**

This branded worksection *Template* is applicable to internal and external pedestrian traffic paving of clay, ceramic, stone, industrial cast stone, terrazzo and manufactured cementitious pavers suitable to be supported on pedestals.

**Guidance text**

All text within these boxes is provided as guidance for developing this worksection and should not form part of the final specification. This *Guidance* text may be hidden or deleted from the document using the NATSPEC Toolbar or the hidden text *Hide* and *Delete* functions of your word processing system. For additional information visit FAQs at [www.natspec.com.au](http://www.natspec.com.au).

**Optional style text**

Text in this font (blue with a grey background) covers items specified less frequently. It is provided for incorporation into *Normal* style text where it is applicable to a project.

**Related material located elsewhere in NATSPEC**

If a listed worksection is not part of your subscription package and you wish to purchase it, contact NATSPEC.

Related material may be found in other worksections. See for example:

- *0221 Site preparation.*
- *0224 Stormwater – site.*
- *0222 Earthwork.*
- *0275 Paving – mortar and adhesive bed.*
- *0276 Paving – sand bed.*
- *0315 Concrete finishes* for substrate surface treatment (i.e. sealants to suppress dust).
- *0411 Waterproofing – external and tanking.*
- *0612 Cementitious toppings* for substrate preparation.

**Material not provided by PASCO**

This branded worksection includes generic material which may not be provided by the Product Partner including:

- Pavers.
- Tactile ground surface indicators.

NOTE: Pasco Buzon DPH pedestals can also be used for timber decking applications. Refer to Pasco for further information.

**Documenting this and related work**

You may document this and related work as follows:

- Use *0411 Waterproofing – external and tanking* for paving over habitable areas. Upon completion and curing of the floor membrane, flood test the areas for leaks before proceeding with the paving system. Paving should not proceed without a successful flood test of waterproof membranes.
- Show layout, height, set-out point, paving pattern and dimensions with finished levels of the paving and its substrate on the drawings.

The *Open* text of this worksection may refer to items as being documented elsewhere in the contract documentation. If required, make sure they are documented.

**Specifying ESD**

The following may be specified by retaining default text:

- Pasco's Buzon DPH adjustable pedestals are made from 80% recycled material (polypropylene copolymer – CPP) and 20% talc and black pigment. The pedestals are 100% recyclable.

The following may be specified by including additional text:

- Colour selection to reduce ambient temperatures and cooling loads of surrounding buildings.
- Recovered pavers.
- Water harvesting to reduce rainwater run-off.

Refer to the NATSPEC TECHreport TR 01 on specifying ESD.

## 1 GENERAL

Pasco specialises in waterproofing and sealant products. With over 30 years experience, they can advise on any waterproofing or sealant application. With suppliers, locally and overseas, they offer a comprehensive product range for every situation.

Pasco are Victorian distributors for Latham Architectural Flooring products, including stair nosings, entry mats and expansion joints.

Pasco's range includes the award-winning Buzon pedestal. Designed and manufactured in Belgium for over 25 years, it allows construction of paved and timber floors on balconies, podiums and roof gardens.

### 1.1 RESPONSIBILITIES

#### General

Requirement: Provide paving on Buzon pedestals, as documented.

*Documented is defined in 0171 General requirements as meaning contained in the contract documents.*

#### Performance

Requirements:

- Consistent in colour and finish.
- Resistant to expected impacts in use.
- Pavers capable of spanning between pedestal supports when subjected to imposed loads.
- Resistant to any wind uplift forces.
- Set out with joints accurately aligned in both directions.
- Within documented level tolerances.

### 1.2 COMPANY CONTACTS

#### Pasco technical contacts

Website: [www.pasco.net.au/site/contact](http://www.pasco.net.au/site/contact)

### 1.3 CROSS REFERENCES

#### General

Requirement: Conform to the following:

- *0171 General requirements.*

*0171 General requirements contains umbrella requirements for all building and services worksections.*

*List the worksections cross referenced by this worksection. 0171 General requirements references the 018 Common requirements subgroup of worksections. It is not necessary to repeat them here. However, you may also wish to direct the contractor to other worksections where there may be work that is closely associated with this work.*

*NATSPEC uses generic worksection titles, whether or not there are branded equivalents. If you use a branded worksection, change the cross reference here.*

### 1.4 STANDARDS

#### Slip resistance

Classification: To AS 4586.

### 1.5 MANUFACTURER'S DOCUMENTS

#### Technical manuals

Technical information and product brochures: [www.pasco.net.au/site/buzon-specifications](http://www.pasco.net.au/site/buzon-specifications)

### 1.6 INTERPRETATION

#### Abbreviations

General: For the purposes of this worksection the following abbreviations apply:

- EPDM: Ethylene Propylene Diene Monomer.

*Edit the Abbreviations subclause to suit the project or delete, if not required. List alphabetically.*

#### Definitions

General: For the purposes of this worksection the following definitions apply.

- Absolute level tolerance: Maximum deviation from design levels.
- Lippage: Height deviation between adjacent units.
- Pavers: Units made from clay, stone, precast concrete, ceramic, terrazzo and/or other inorganic raw materials, generally over 20 mm thick, used as coverings for horizontal surfaces. Larger pavers are often referred to as flags.
- Pedestal: The structure directly supporting the pavers, including head, base, column, any adjustment and any locking devices.
- Relative level tolerance: Maximum deviation from a 3 m straightedge laid on the surface.

Edit the **Definitions** clause to suit the project or delete if not required. List alphabetically.

## 1.7 TOLERANCES

### Completed paving

Lippage:

- Unpolished pavers: Less than 2 mm.
- Polished pavers 300 x 300 mm or less: 1 mm, with 5% not exceeding 1.5 mm.
- Polished pavers over 300 x 300 mm: 1.5 mm, with 5% not exceeding 2 mm.

Level tolerance:

- Absolute:  $\pm 8$  mm.
- Relative: 8 mm.

## 1.8 SUBMISSIONS

### Execution details

Set out: If it appears that an alternative set out, spacing width between pavers or minor variations in overall dimensions will avoid cut pavers, submit a proposal.

### Operation and maintenance manuals

General: Submit a manual describing care and maintenance of the paving and pedestals, including procedures for future height adjustment to maintain installation tolerances and for maintaining the slip-resistance grading stating the expected life of the slip-resistance grade.

Routine checks: Within the manual include a requirement for the paving owner to perform routine checks of the paving, including the following:

- Check for rocking pavers and adjust or shim with 1 mm (BC-E10) and/or 2 mm (BC-E20) EPDM shims.
- Check for settlement of pedestals and realign if necessary, to avoid potential trip hazards.
- Check spacer tabs and immediately replace any broken tabs to limit deck movement.
- Check that all edge restraint is structurally sound and intact.

### Product and materials

Pavers: Submit evidence from paving manufacturer of paver suitability for installation on pedestals, being supported only on the corners of the paver.

Type tests: Submit results, as follows:

- Slip resistance of pavers.
- Accelerated wear test of pavers.

Type tests are carried out off-site. However, submission of evidence of a successful type test may be called up here for requirements specified in **SELECTIONS** or **PRODUCTS**, if there are no **SELECTIONS**.

- Stone paver properties tests.
- Fire hazard property testing of pedestals to AS/NZS 1530.3.

Test report with results available by contacting PASCO.

Waterproof membrane: Submit evidence of the waterproofing membrane's suitability for pedestals and pavers to be installed over and that it is also UV resistant/stable where spacer tabs greater than 4.5 mm thickness are used.

Buzon recommend that no UV resistance/stability of the membrane is required when spacer tabs thicknesses of 2 mm, 3 mm or 4.5 mm are used.

Document the requirements for any waterproofing membrane in 0411 Waterproofing – external and tanking.

**Samples**

Pavers: Submit labelled samples of pavers, illustrating the range of variation in colour and finish.

Pedestals: Submit a sample of each component of the Pasco Buzon DPH pedestal support system being used.

**Shop drawings**

General: Submit shop drawings to a scale that best describes the detail, showing the following:

- Paver size.
- Any required paver reinforcement.
- Pattern.
- Grid layout.
- Pedestal locations.
- Pedestal heights.
- Starting point.
- Finished levels.
- Set out dimensions.

Edit the list to suit the project or delete if not required.

**Subcontractors**

Experience: Submit details of all subcontractors pedestal installation experience. Use only subcontractors who have specialised in the installation of pedestal systems similar to that documented.

Substrate acceptance: Submit evidence of the installer's acceptance of the substrate before commencing installation.

**Tests**

The 0171 General requirements worksection covers tests in **Definitions** and calls for an inspection and testing plan under **SUBMISSIONS, Tests**.

Site tests: Submit results, as follows:

Detail the tests required in **PRODUCTS** or **EXECUTION**, as appropriate, and list the submissions required here.

Site testing is expensive. Delete if not required. See NATSPEC TECHnote DES 001.

- Site slip resistance test of completed installations.

**Warranties**

Requirement: Submit the following:

- Pasco 10 year material warranty: Request material warranty from Pasco and provide Pasco with digital photos of the site before, during and after installation, showing the appropriate substrate, the correct installation of pedestals and the correct positioning and alignment of pavers, as documented, and to the manufacturer's recommendations.
- Installation warranty.

Describe the requirements of warranties in **PRODUCTS** or **EXECUTION**, as appropriate, and list the submissions required here.

**1.9 INSPECTION****Notice**

Inspection: Give notice so that inspection may be made of the following:

- Substrate immediately before installing pedestals.
- Set-out of grids for placement of pedestals.
- Completed paving.

Consider including a requirement for notification of partially complete areas of paving during installation to check that grid lines are remaining straight, that the spacing between pavers remains consistent and pavers level within documented tolerances.

Amend to suit the project adding critical stage or mandatory inspections.

**Hold points**, if required, should be inserted here.

## 2 PRODUCTS

### 2.1 GENERAL

#### Storage and handling

Pasco Buzon DPH pedestals: Store in the manufacturer's original sealed packaging in a dry environment away from rain or damp conditions. Do not store with solvent based materials. Inspect for damage upon delivery and advise Pasco of any such damage immediately.

#### Product substitution

Other products: Conform to PRODUCTS, **GENERAL, Substitutions** in *0171 General requirements*.

The *0171 General requirements* clause sets out the submissions required if the contractor proposes alternative products. Refer also to NATSPEC TECHnote GEN 006 for more information on proprietary specification.

#### Product identification

General: Marked to show the following:

- Manufacturer's identification.
- Product brand name.
- Product type.
- Quantity.
- Product reference code and batch number.
- Date of manufacture.

Edit the list to suit the project or delete if not required.

### 2.2 PASCO BUZON DPH PEDESTAL SYSTEM

#### Description

Pedestal types: Fixed height pedestals and adjustable height pedestals, incorporating a safety lock mechanism, to prevent unscrewing of the head and base.

Pedestal material: 3 mm – 5 mm thick, UV resistant, 100% recyclable, consisting of 80% recycled polypropylene copolymer (CPP) and 20% talc and black pigment.

Fixed height pedestal bearing area:

- Base: 227 cm<sup>2</sup> with a rounded outer edge to prevent damage to the waterproofing membrane.
- Head: 165 cm<sup>2</sup> (188 cm<sup>2</sup> with the PH5 slope corrector).

Adjustable height pedestal bearing area:

- Base: 314 cm<sup>2</sup> with a rounded outer edge to prevent damage to the waterproofing membrane. The outer cylinder is 125 mm in diameter with 5 mm thick reinforcing ribs to provide load distribution.
- Head: 188 cm<sup>2</sup> (except DPH-2 and DPH-3 which are 177 cm<sup>2</sup> without the PH5).

Spacer tabs: Fitted to head of pedestal to provide a consistent joint spacing between adjacent pavers and able to rotate freely through 360 degrees.

Shims: Reinforced EPDM rubber shims for enhanced acoustic performance and to level uneven paving materials. Available in 1 mm (BC-E10) and 2 mm (BC-E20) thickness, with a Shore A of 60.

Slope corrector (PH5): Fitted to head of pedestal models DPH-0, DPH-1, DPH-02, DPH-2 and DPH-3, if required to correct a sloping substrate. PH5 provides slope correction from 0% to 5% in increments of 0.5%. All other model DPH pedestals include an integral slope corrector.

Coupling unit (C2/C5): Height adjusting unit with internal and external threads. By using one or more C2 or C5 units with the DPH-5 pedestal, heights of up to 1070 mm can be achieved.

Locking keys: Used only for DPH-5 to DPH-13 pedestals. Located on the base, adjustment ring and coupler, to lock the pedestal at the required height.

#### Pedestals

Fixed height pedestal for heights of 17 mm to 37 mm: [complete/delete]

Select from the following Pasco Buzon DPH pedestals and nominate here or in **SELECTIONS** if more than one pedestal type is selected. Note that heights stated below are from the substrate to the support system elevation (i.e. the underside of pavers):

- DPH-0 – For a height of 17 mm (or 26 mm with the PH5 Slope corrector – DPH-0+PH5).
- DPH-1 – For a height of 28 mm (or 37 mm with the PH5 Slope corrector – DPH-1+PH5).

Adjustable height pedestal for heights of 25 mm to 175 mm: [complete/delete]

Select from the following Pasco Buzon DPH pedestals and nominate here or in **SELECTIONS** if more than one pedestal type is selected. Note that heights stated below are from the substrate to the support system elevation (i.e. the underside of pavers):

- DPH-02 – For heights of 25-36 mm (or 34-45 mm with the PH5 Slope corrector – DPH-02+PH5).
- DPH-2 – For heights of 35-53 mm (or 44-62 mm with the PH5 Slope corrector – DPH-2+PH5).
- DPH-3 – For heights of 50-78 mm (or 59-87 mm with the PH5 Slope corrector – DPH-3+PH5).
- DPH-4 – For heights of 77-108 mm (DPH-4 includes an integral slope corrector in head of pedestal).
- DPH-5 – For heights of 100-175 mm (DPH-5 includes an integral slope corrector in head of pedestal).

#### Adjustable height pedestal for heights of 175 mm to 1070 mm: [complete/delete]

Select from the following Pasco Buzon DPH pedestals and nominate here or in **SELECTIONS** if more than one pedestal type is selected. Note that heights stated below are from the substrate to the support system elevation (i.e. the underside of pavers):

- DPH-6 – For heights of 175-285 mm. DPH-6 consists of (1 x DPH-5) + (1 x C2 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-7 – For heights of 285-400 mm. DPH-7 consists of (1 x DPH-5) + (1 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-8 – For heights of 355-515 mm. DPH-8 consists of (1 x DPH-5) + (1 x C2 Coupler) + (1 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-9 – For heights of 465-625 mm. DPH-9 consists of (1 x DPH-5) + (2 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-10 – For heights of 545-740 mm. DPH-10 consists of (1 x DPH-5) + (1 x C2 Coupler) + (2 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-11 – For heights of 645-850 mm. DPH-11 consists of (1 x DPH-5) + (3 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-12 – For heights of 720-960 mm. DPH-12 consists of (1 x DPH-5) + (1 x C2 Coupler) + (3 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-13 – For heights of 830-1070 mm. DPH-13 consists of (1 x DPH-5) + (4 x C5 Coupler) and includes an integral slope corrector in head of pedestal.

#### Spacer tabs

Thickness: [complete/delete]

Select from the following size spacer tabs and nominate here or in **SELECTIONS** if more than one size spacer tab is selected.

Spacer tabs 17 mm in height available in the following thicknesses:

- 3 mm.
- 4.5 mm.

Spacer tabs 25 mm in height available in the following thicknesses:

- 2 mm.
- 6 mm.
- 8 mm.
- 10 mm.

## 2.3 PAVERS

### General

Selection: To the **Paver schedule**.

### Concrete and fired clay pavers

Standard: To AS/NZS 4455.2.

Application to AS/NZS 4455.2 Table 2.8: [complete/delete]

e.g. Residential–Pedestrians only or Public Space–Pedestrians only.

Properties: To AS/NZS 4455.2 Table 2.8.

Salt attack resistance grade to AS/NZS 4455.2 Table 2.7: [complete/delete]

Select from:

- Exposure grade.
- General purpose grade.

Delete prompt if salt attack is not considered an issue due to the pavers being raised on pedestals.

**Stone pavers**

Description: Provide sound stone pavers of uniform quality. Reject stone pavers with any of the following defects liable to affect strength and durability:

- Vents.
- Cracks.
- Fissures.
- Seams.
- Porous inclusions.
- Foreign material.
- Loose surface material.
- Discolouration.

Matching: Select for optimum matching of colour and pattern.

**Other pavers**

Requirement: Provide sound pavers of uniform quality, as documented.

**Tests**

0171 *General requirements* covers tests in **Definitions** and calls for an inspection and testing plan under **SUBMISSIONS, Tests**.

Stone paver properties tests: [complete/delete]

**Stone paver selection**

Advice from a stone paver supplier or stone merchant can assist in the initial selection for a particular application based on the known characteristics of stone types. See ASAA *Natural stone design manual* for information on natural stone.

The classification of stone types by the geological names listed below is not always followed by the industry.

Stone finishes are available generally as follows with finishes noted from smoothest to roughest:

- Granite: Polished, honed, rubbed, abrasive, diamond sawn, thermal (flamed, exfoliated).
- Marble: Polished, honed, abrasive.
- Limestone: Polished (dense limestones only), honed, cleft, rustic.
- Slate: Honed, abrasive, cleft.
- Bluestone (basalt): Honed, diamond sawn.
- Sandstone: Abrasive, diamond sawn, cleft.

A selection on appearance alone should be further evaluated to make sure the stone will fulfill the performance required.

Verification of required physical properties is best achieved by testing representative samples.

CSIRO have developed 14 tests specifically for stone tiles, defined as being less than 20 mm thick, known as the CSIRO BEST (Built Environment Stone Tile) test methods. Whilst these tests have been developed for stone tiling, consider including here any of the 14 tests that may be suitable for the stone pavers selected.

Paving combining different varieties of pavers may wear unevenly due to differences in abrasion resistance and may not respond to the same re-finishing technique or cleaning method.

Seek further advice in the selection of stone products to be used in particularly demanding applications such as areas subject or freeze/thaw.

Accelerated wear test of pavers: [complete/delete]

Consult a test laboratory such as CSIRO or Safe environment. Delete if not required and submission requirements.

**2.4 OTHER MATERIALS****Tactile ground surface indicators**

Delete if none required. If required, check that paver set out and joint width allows for correct installation.

Standard: To AS/NZS 1428.4.1.

The BCA also cites AS 1428.4.1-1992.

### 3 EXECUTION

#### 3.1 PREPARATION

##### Substrates

If there are particular requirements for substrate preparation, specify them here or schedule elsewhere. Refer to waterproofing manufacturer's recommendations for installation times and protection requirements to membrane. Nominate who supplies any required protection here.

Drying and shrinkage: Before installing any waterproof membrane or locating pedestals, allow at least the following times to elapse (for curing and initial shrinkage) for these substrates:

- Concrete slabs: 28 days.
- Toppings on slabs: A further 21 days.

The substrate must be capable of supporting the structural loads (Dead and Live, as documented) transmitted through the pedestals when the paving is complete.

Preparation: Before starting the installation of pedestals, make sure substrates are as follows:

- Broom clean and free from any oil, deposit, finish or projection which may impair the performance of the pedestal system or any waterproofing membrane that has been installed.
- Complete, including the installation of any documented waterproofing membrane, drainage mat, insulation or protection.
- Sloped to a minimum of 2% to provide positive and adequate drainage.

Extent of protection: If protection to any documented waterproof membrane is only required under each pedestal, extend protection a minimum of 25 mm beyond the edge of each pedestal base.

Insulation placed beneath a pedestal: Minimum compressive strength of 138 kPa.

##### Perimeter

Containment: Provide adequate restraint to all assemblies of insulation, drainage mat, pedestals and pavers to the perimeter of the paving area.

Perimeter restraint deflection: Maximum 10 mm.

##### Fixtures

General: Before installing pedestals make sure that fixtures interrupting the surface of the paving are accurately positioned in their designed or optimum locations relative to the paving layout. Allow for movement between paving and fixtures.

#### 3.2 INSTALLATION

##### Set-out

Level: Establish and mark the support system level (finished paving elevation less the paver thickness) around the perimeter of the paving area.

Grid: Establish a grid on the substrate from the set-out point. The grid will reflect the joint lines in the completed paving. Use grid lines to check paver layout during installation.

Expansion joints: Do not locate pedestals directly over expansion joints in the substrate. Locate pedestals on one side or the other of any expansion joint in the substrate.

Margins: Provide whole or purpose-made pavers at margins where practicable, otherwise set out to give equal margins of cut pavers. If margins less than half paver width are unavoidable, locate the cut pavers where they are least conspicuous.

##### Pedestal installation

General: Install pedestals to the manufacturer's recommendations in complete rows, starting at one side of the perimeter, installing pavers and adjusting to the correct level as each subsequent row of pedestals are installed.

For larger areas of paving consider installing all pedestals at the required pre-set height before placing any pavers. Fine adjustments to the pedestal heights would then be made as each row of pavers are installed, as documented.

Location: Locate a pedestal at each intersection of grid lines and align spacer tabs to perpendicular grid lines.

Perimeter edge: Locate pedestal on grid line that meets perimeter, as close to the perimeter edge as possible. Remove two of the four spacer tab uprights that are in line with each other and align the remaining spacer tab uprights with the grid line. Do not place the spacer tabs on the head of the pedestal at perimeter corners.



**Pedestal height adjustment**

General: For adjustable height pedestals, set the pedestal to the required height before placing pavers onto pedestal. After placing pavers make fine vertical adjustments by rotating the base of the pedestal. When height is correct use the locking keys on the pedestal to fix the height (for DPH-5 to DPH-13 pedestals only).

**Compensate for substrate slope**

General: If required to install paving at a different slope to that of the substrate, use one, or a combination of, the following methods:

- PH5 slope corrector: Place the PH5 unit on the head of the pedestal and rotate the adjustment disk in increments of 0.5% slope to precisely level the head of the pedestal within the slope range of 0% to 5.0% and point the arrow located on the head of the pedestal in the direction of the fall.
- Integral slope corrector: For pedestals with an integrated slope corrector head, rotate the adjustment disk in increments of 0.5% slope to precisely level the head of the pedestal within the slope range of 0% to 5.0% and point the arrow located on the head of the pedestal in the direction of the fall.

**Variations**

General: If necessary, distribute variations in hue, colour, or pattern uniformly, by mixing pavers or paving batches before laying.

Thickness: Accommodate variations in paver thickness by placing up to two segments of BC-E10 or BC-E20 rubber shims, under a paver corner on top of the pedestal head. If required, bond the segments together using construction adhesive. If complete shims are being used, bonding is not required.

**3.3 TESTING****Completion tests**

Slip resistance of completed installation: To AS 4663.

Delete if not required. See NATSPEC TECHnote DES 001.

The wet-barefoot inclining platform test and the oil-wet inclining platform test cannot be performed in situ.

**3.4 COMPLETION****Spares**

General: Supply spare matching pavers of each type for future replacement purposes. Store the spare materials on site.

Quantity: At least 1% of the quantity installed.

Storage location: [complete/delete]

**Cleaning**

Completion: Clean progressively and leave pavements clean on completion.

**4 SELECTIONS**

**Schedules** are a way of documenting a selection of proprietary or generic products or systems by their properties. Indicate their locations here and/or on the drawings. Refer to NATSPEC TECHnote GEN 024 for guidance on using and editing schedules.

**4.1 PRODUCT****Pasco Buzon DPH pedestal schedule**

Properties	PD1	PD2	PD3
DPH series number			
Height (mm)			
Spacer tab thickness (mm)			
PH5 Slope corrector			

PD1, PD2, PD3: These designate each instance or type or location of pedestal. Edit to align with the project's codes or tags. Edit codes in the **Schedule** to match those on drawings.

DPH series number: Select from the following:

- DPH-0 – For a height of 17 mm (or 26 mm with the PH5 Slope corrector – DPH-0+PH5).
- DPH-1 – For a height of 28 mm (or 37 mm with the PH5 Slope corrector – DPH-1+PH5).
- DPH-02 – For heights of 25-36 mm (or 34-45 mm with the PH5 Slope corrector – DPH-02+PH5).
- DPH-2 – For heights of 35-53 mm (or 44-62 mm with the PH5 Slope corrector – DPH-2+PH5).
- DPH-3 – For heights of 50-78 mm (or 59-87 mm with the PH5 Slope corrector – DPH-3+PH5).
- DPH-4 – For heights of 77-108 mm (DPH-4 includes an integral slope corrector in head of pedestal).
- DPH-5 – For heights of 100-175 mm (DPH-5 includes an integral slope corrector in head of pedestal).
- DPH-6 – For heights of 175-285 mm. DPH-6 consists of (1 x DPH-5) + (1 x C2 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-7 – For heights of 285-400 mm. DPH-7 consists of (1 x DPH-5) + (1 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-8 – For heights of 355-515 mm. DPH-8 consists of (1 x DPH-5) + (1 x C2 Coupler) + (1 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-9 – For heights of 465-625 mm. DPH-9 consists of (1 x DPH-5) + (2 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-10 – For heights of 545-740 mm. DPH-10 consists of (1 x DPH-5) + (1 x C2 Coupler) + (2 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-11 – For heights of 645-850 mm. DPH-11 consists of (1 x DPH-5) + (3 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-12 – For heights of 720-960 mm. DPH-12 consists of (1 x DPH-5) + (1 x C2 Coupler) + (3 x C5 Coupler) and includes an integral slope corrector in head of pedestal.
- DPH-13 – For heights of 830-1070 mm. DPH-13 consists of (1 x DPH-5) + (4 x C5 Coupler) and includes an integral slope corrector in head of pedestal.

Spacer tab thickness: Select from the following:

- 2 mm (25 mm height).
- 3 mm (17 mm height).
- 4.5 mm (17 mm height).
- 6 mm (25 mm height).
- 8 mm (25 mm height).
- 10 mm (25 mm height).

PH5 Slope corrector: Required or Not required.

#### Paver schedule

Properties	PV1	PV2	PV3
Product			
Nominal size			
Material			
Colour			
Surface finish			
Slip resistance classification			
Stone supplier			
Stone quarry			
Stone grade			
Stone sealer			
Terrazzo sealer			
Tactile ground surface indicators: Material			

Properties	PV1	PV2	PV3
Tactile ground surface indicators: Product			
Tactile ground surface indicators: Colour			

PV1, PV2, PV3: These designate each instance or type or location of the item scheduled. Edit to align with the project's codes or tags.

Edit codes in the **Schedule** to match those on drawings.

Product: Describe generically or nominate a manufacturer.

Material: e.g. Fired clay, Cementitious pavers, Terrazzo, Sawn stone (include stone type).

Colour: Describe or give a product colour name.

Surface finish: Describe or give a product designation. Select stone paver finish to provide the slip resistance nominated; consult the supplier. For example: Diamond sawn, Gang sawn, Exfoliated, Bush hammered, Split or Grit blasted.

Slip resistance classification: For selections refer to NATSPEC TECHnote DES 001, SAA HB 197 and SAA HB 198. Select the slip resistance test and class to suit the location and application. If tests for a completed installation are required for pavers selected by a ramp test make sure the wet pendulum test classification is included. (Ramp tests cannot be conducted in the field.) Select from the following:

- Dry floor friction: Select class F ( $\geq 0.4$ ). (Class G, at  $< 0.4$ , is high to very high notional contribution of the floor surface to the risk of slipping when dry.)
- Wet bare foot ramp: Select A, B or C for swimming areas.
- Dual classification for wet pendulum and oil wet ramp: Select V, W, X, Y or Z (pendulum) and R9, R10 or R11 (oil wet ramp) for indoor or external public areas.
- Oil wet ramp and displacement volume: Select from R9, R10, R11, R12 or R13 (oil wet ramp) with V4, V6, V8 or V10 (displacement volume of patterned and profiled pavers) for commercial and industrial areas.
- Stone or terrazzo sealer: Select a product with a demonstrated ability to maintain slip resistance.
- Tactile ground surface indicators: Both warning and directional indicators may be required.

#### REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS 1428		Design for access and mobility
AS/NZS 1428.4.1	2009	Means to assist the orientation of people with vision impairment - Tactile ground surface indicators
AS 1530		Methods for fire tests on building materials, components and structures
AS/NZS 1530.3	1999	Simultaneous determination of ignitability, flame propagation, heat release and smoke release
AS/NZS 4455		Masonry units, pavers, flags and segmental retaining wall units
AS/NZS 4455.2	2010	Pavers and flags
AS 4586	2013	Slip resistance classification of new pedestrian surface materials
AS 4663	2013	Slip resistance measurement of existing pedestrian surfaces

The following documents are mentioned only in the **Guidance text**:

AS 1428.4.1	2009	Tactile ground surface indicators for the orientation of people with vision impairment
AS 1428		Design for access and mobility
SAA HB 197	1999	An introductory guide to the slip resistance of pedestrian surface materials
SAA HB 198	2014	Guide to the specification and testing of slip resistance of pedestrian surfaces
ASAA	2011	Natural stone design manual
NATSPEC DES 001	2016	Slip resistance performance
NATSPEC GEN 006	2007	Product specifying and substitution
NATSPEC GEN 024	2015	Using NATSPEC selections schedules