

0195P DTAC TACTILE INDICATORS AND STAIR EDGINGS

Branded worksection

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Worksection abstract

This branded worksection *Template* is applicable to the supply and installation of DTAC tactile indicators, edge protectors, and edging for stair nosings.

How to use this worksection

Customise this worksection *Template* for each project. See A guide to NATSPEC worksections (www.natspec.com.au) for information on *Template* structure, word styles, and completing a worksection.

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:

- *0315 Concrete finishes* for concrete stairs and surface finishes.
- *0541 Access floors*.
- *0551 Joinery* for timber stairs.
- *0552 Metalwork - fabricated* for steel stairs.
- *0613 Terrazzo in situ* for surface finish.
- *0631 Ceramic tiling* for tiled floors and stairs.
- *0632 Stone and terrazzo tiling* for tiled floors and stairs.
- *0651 Resilient finishes* for stair and floor finish.
- *0652 Carpets* for stair and floor finish.
- *0654 Multilayered board flooring* for stair and floor finish.
- *0655 Timber flooring* for stair and floor finish.
- *0657 Resin based seamless flooring*.

Documenting this and related work

You may document this and related work as follows:

- Locate tactile indicators, edge protectors and stair edgings on drawings.
- If using this worksection, remove tactile indicators from the other schedules as appropriate.

The *Normal* style text of this worksection may refer to items as being documented elsewhere in the contract documentation. Make sure they are documented.

Search acumen.architecture.com.au, the Australian Institute of Architects' practice advisory subscription service, for notes on the following:

- Guarantees and warranties.

Specifying ESD

DTAC manufacture a tactile indicator featuring a cupped underside, using less stainless steel and putting less demand on resources.

Refer to NATSPEC TECHreport TR 01 on specifying ESD.

1 GENERAL

DTAC is an Australian company with over 15 years' experience in design and manufacturing excellence, all backed by industry leading support. DTAC comprises a specialist team of professionals that prides itself on offering aesthetically pleasing, BCA compliant, architectural tactile ground surface indicators, stair nosing and edging, urban landscape edge protection products and more. DTAC's unequalled attention to detail enables architects, designers and builders to make the right choice for aesthetic and functional conformance in every project.

1.1 RESPONSIBILITIES

General

Requirement: Provide DTAC tactile indicators, stair nosing and edging, threshold transition strips, urban edge protectors and handrail tactile indicators, as documented.

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

1.2 COMPANY CONTACTS

DTAC technical contacts

Website: www.dtac.com.au/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

General

Tactile indicators: To AS/NZS 1428.4.1 (2009).

The NCC cites AS 1428.4 (1992) and AS/NZS 1428.4.1 (2009). The current edition is AS/NZS 1428.4.1 (2009).

Stair edging: To the NCC cited AS 1428.1 (2009).

The NCC cites AS 1428.1 (2001) and AS 1428.1 (2009). The current edition is AS 1428.1 (2021).

Slip resistance

Classification: To AS 4586 (2013).

See NATSPEC TECHnote DES 001 on slip resistance performance.

1.5 MANUFACTURER'S DOCUMENTS

Technical manuals

DTAC Tactile ground surface indicators (TGSi):

- Warning tactiles: dtac.com.au/product-category/warning-tactiles.
- Directional tactiles: dtac.com.au/product-category/directional-tactiles.
- Integrated tactiles: dtac.com.au/product-category/integrated-tactiles.
- Carpet tactile systems: dtac.com.au/product-category/carpet-tactile-systems.

DTAC PEMKO® Stair treads nosing and edging, threshold transitions and edging strips:

- Stair nosing and edging: dtac.com.au/product-category/stair-nosing-edging.
- Thresholds and transition strips: dtac.com.au/product-category/thresholds-transition-strips.

DTAC Urban edge protectors: www.dtac.com.au/product-category/urban-edge-protectors.

DTAC Handrail tactile indicators (HRTI): www.dtac.com.au/product-category/handrail-tactile-indicators.

1.6 SUBMISSIONS

Products and materials

Type tests: Submit results, as follows:

- Slip resistance of tactile indicators and edgings to AS 4586 (2013).

The DTAC range of tactile indicators and edging are tested to a range of slip resistance tests including AS 4586 (2013) Appendices A, C & D. Refer to the DTAC product Technical Data sheets for product specific test results.

- Luminance reflectance of tactile indicators and edgings to AS/NZS 1428.4.1 (2009) Appendix E and the NCC cited AS 1428.1 (2009) Appendix B.

The NCC cites AS 1428.4 (1992) and AS/NZS 1428.4.1 (2009). The current edition is AS/NZS 1428.4.1 (2009).
 The NCC cites AS 1428.1 (2001) and AS 1428.1 (2009). The current edition is AS 1428.1 (2021).
 Product luminance test results are included on the DTAC technical data sheets, which are presented by product type.
 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, when there are no SELECTIONS.

Prototypes

General: Provide a prototype of the DTAC product installed in the finished substrate.

Location and extent: [complete/delete]

Preferably show the location and extent on the drawings.

Incorporation: Subject to approval, incorporate the prototype in the completed works.

If incorporation of the prototype into the completed works is permitted, consider including this *Optional* style text by changing to *Normal* style text..

Delete this subclause if a prototype is not required.

Tests

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

Completion tests: Submit results of the following:

- Slip resistance.
- Luminance contrast.

Site test submissions correspond to the testing requirements in EXECUTION, **TESTING, Completion tests**. If testing requirements are deleted from EXECUTION, remove submission requirements above.

Warranties

Tactile indicators, stair nosing and edging, threshold transition strips, urban edge protectors and handrail tactile indicators: Submit DTAC product and installation warranties.

1.7 INSPECTION

Notice

Inspection: Give notice so that inspection may be made of the completed substrate ready for tactile indicators, and nosing and edging installation.

A site inspection can be conducted before installation.

Amend to suit the project, adding critical stage inspections required.

Hold points, if required, should be inserted here.

2 PRODUCTS

2.1 GENERAL

Product substitution

Other products: Conform to **SUBSTITUTIONS** in *0171 General requirements*.

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

Avoid the use of phrases such as 'or equivalent' for substitutions of proprietary products, as products that look or claim to be equivalent may not have undergone the same testing and certification processes as the specified products, and therefore may not be able to fulfill the same performance requirements.

DTAC products have been tested by NATA Accredited Testing Laboratories to Australian and New Zealand, UL, ANSI, BHMA, European, British and ISO standards. Accredited Testing Laboratories include International Door & Window Laboratories (IDWL), CSIRO, BRANZ, Warringtonfire and UL.

DTAC choose to issue reports from International Door & Window Laboratories (IDWL), a NATA Accredited Testing Laboratory, as evidence of suitability for use to NCC (2022) A5G1.

2.2 DTAC TACTILE INDICATORS, STAIR NOSING AND EDGING, THRESHOLD AND TRANSITION STRIPS, URBAN EDGE PROTECTORS AND HANDRAIL TACTILE INDICATORS

DTAC can provide technical advice so that the appropriate tactile and edging products are specified.

Warning tactile products

DTAC warning tactile products are identifiable by the unique registered 'double lip' design, providing high slip resistance performance.

Classic: Tactile indicators with a concentric circle design machined or injection moulded on the horizontal face and a smooth outer edge.

Available in Type 316 stainless steel (clear or black PVD coated) along with black silicon carbide top (insert), solid brass, or in black, blue, yellow, light grey or white UV stabilised thermoplastic urethane (TPU). Also available in Type 316 stainless steel outer edge with black, yellow or white UV stabilised thermoplastic urethane (TPU) top or with black silicon carbide top. NOTE: Type 316 stainless steel and solid brass products are also available in 'flat-back' version.

Terraced: Tactile indicators with a concentric circle design machined or injection moulded on the horizontal face and a terraced slip-resistant outer edge.

Available in Type 316 stainless steel, solid brass, or Type 316 stainless steel outer edge with a black UV stabilised thermoplastic urethane (TPU) top. NOTE: Type 316 stainless steel and solid brass products are also available in 'spiked or flat' versions.

Ecotac® Classic: Tactile indicators with a cupped underside, a concentric circle design machined on the horizontal face and a smooth outer edge.

Ecotac® Terraced: Tactile indicators with a cupped underside, a concentric circle design machined on the horizontal face and a terraced slip-resistant outer edge.

Available in Type 316 stainless steel (clear or black PVD coated) and solid brass.

Directional tactile products

Ecotac® Classic: Tactile indicator with a cupped underside, a grooved design machined on the horizontal face and a smooth outer edge.

Ecotac® Terraced: Tactile indicator with a cupped underside, a grooved design machined on the horizontal face and a terraced slip-resistant outer edge.

Available in Type 316 stainless steel (textured) and also with a black silicon carbide top.

Classic: UV stabilised thermoplastic urethane (TPU) injection moulded tactile with an undulating groove design on the horizontal face and a smooth outer edge.

Available in black, yellow, light grey or white.

Integrated tactile products

Classic: An integrated Type 316 stainless steel plate with Classic tactile indicators on the horizontal face.

Available in Type 316 stainless steel integrated on a Type 316 stainless steel base. Variant sizes available.

Classic Black Top: An integrated Type 316 stainless steel plate with Classic Black tactile indicators on the horizontal face.

Available in Type 316 stainless steel outer edge with a black silicon carbide top on a Type 316 stainless steel base. Variant sizes available.

Ultimat® Tactile: An integrated UV stabilised thermoplastic urethane (TPU) injection moulded tactile with Classic tactile indicators on the horizontal face.

Available in UV stabilised thermoplastic urethane (TPU) top/base in black, yellow, light grey, ivory or white.

Ultimat Duo® Tactile: An integrated UV stabilised thermoplastic urethane (TPU) injection moulded tactile with contrasting coloured Classic tactile indicators on the horizontal face.

Available in UV stabilised thermoplastic urethane (TPU) top & nylon base in variant colours dependent on project requirements. Consult DTAC.

Carpet tactile systems

DTAC Carpet tactile systems comprise of variant screwable tactile indicators, which are affixed through the carpet onto steel carpet plates that are adhered on to the primary substrate.

Classic (Low/High Pile): Tactile indicators with a concentric circle design machined on the horizontal face, a smooth outer edge and a female thread stud to affix to the carpet plate.

Available in Type 316 stainless steel (clear) or solid brass. Variant sizes available to suit Low or High carpet pile.

Terraced (Low/High Pile): Tactile indicators with a concentric circle design machined on the horizontal face, a terraced slip-resistant outer edge and a female thread stud to affix to the carpet plate.

Available in Type 316 stainless steel (clear). Variant sizes available to suit Low or High carpet pile.

Ecotac® Classic (High Pile): Tactile indicators with a cupped underside, a concentric circle design machined on the horizontal face, a smooth outer edge and an extended shaft. This product does not require steel carpet plates.

Available in Type 316 stainless steel (clear).

Stair nosing and edging products

Up to 40 µm thick, the DTAC hard anodising process produces a tough protective coating of aluminium oxide on the surface of the aluminium. This results in a uniform, hard wearing, scratch resistant surface ideal for commercial applications. Also included are a range of Anti-slip tapes with a durable, chemical and oil resistant PVC tape with an 80 grit silicon carbide top surface and fibre glass edging with high slip resistance and durability.

PEMKO® Corduroy edging: Extruded aluminium sections with a continuous corduroy pattern.

Anodised finishes available include natural, black or bright gold. Sections available flat or angled.

PEMKO® Pinstripe edging: Extruded smooth, blunt edged aluminium sections with an intermittent high and low profile.

Anodised finishes available include natural and black. Sections available in flat or angled.

PEMKO® Pleat edging: Extruded smooth, aluminium sections with an intermittent continuous corduroy pattern.

Anodised finishes available include natural or black. Sections available in flat or angled.

PEMKO® Stitch edging: Extruded aluminium sections with a continuous stitch pattern.

Anodised finishes available include natural and black. Sections available in flat or angled.

PEMKO® Suede edging: Extruded anodised aluminium sections with a continuous band of silicon carbide.

Anodised finishes available in natural or black. Sections available in flat or angled.

PEMKO® Urban edging: Continuous band of silicon carbide inserted into anodised aluminium extrusions.

Anodised finishes available in natural or black, with black or grey silicon carbide infill. Sections available in flat, angled or for carpet. Suitable for all stable finished outdoor or indoor surfaces and substrates.

PEMKO® Urban edging - Mill finished aluminium: Intermittent striations of silicon carbide inserted into aluminium extrusions.

Anodised finishes available in natural with yellow or black silicon carbide infill. Sections available flat or angled. Suitable for all stable finished outdoor or indoor surfaces and substrates.

PEMKO® Rugged edging: Continuous band of fibre glass reinforced plastic extrusion.

Available in angled profiles, in yellow or black.

Thresholds and transition strips

Over 25 µm thick, the DTAC hard anodising process produces a tough protective coating of aluminium oxide on the surface of the aluminium. This results in a uniform, hard wearing, scratch resistant surface ideal for commercial applications. These products are ideal in conjunction with door bottom seals. (Refer to Raven products – www.raven.com.au).

PEMKO® Threshold plates: Extruded aluminium sections, many featuring a ribbed profile and integrated gasket sills.

Anodised finishes available in natural, some with integrated PVC sill gasket. Sections available in variant sizes.

Urban edge protectors

Round button: 35 mm diameter urban edge protector featuring round edge.

Available in Type 316 stainless steel or solid brass.

Bevelled button: 35 mm diameter urban edge protector featuring bevelled edge.

Available in Type 316 stainless steel or solid brass.

Thin bar: 5 mm thick Type 316 stainless steel bar.

Thick bar: 10 mm thick Type 316 stainless steel bar.

Handrail tactile indicators

Handrail button: Machined domed Type 316 stainless steel button.

Available in Type 316 stainless steel.

3 EXECUTION

3.1 GENERAL

Substrate preparation and installation of DTAC products

Requirement: To DTAC's recommendations and fitting instructions.

Location: As documented.

Classic and Terraced tactile and directional indicators:

- Stone, masonry, timber or vinyl substrates: Drill and pressure fit.
- Vitrified porcelain, ceramics, glass or metal substrates: [complete/delete]

Select Diamond core/pressure fit or Direct stick from the options in the DTAC technical data sheet.

- Carpet or carpet tile substrates: Drill and screw.

Handrail tactile indicators: Drill and glue to substrate.

Ultimat® and Ultimat Duo® Tactile: Direct stick to substrate (excluding asphalt/bitumen) with DTAC tactile adhesive.

Urban edge protectors:

- Stone, masonry, timber or vinyl substrates: Drill and glue.
- Vitrified porcelain, ceramics, glass or metal substrates: Diamond core drill and glue.

Fixing DTAC PEMKO® stair nosing and edging, threshold and transition products

PEMKO® Corduroy, Pinstripe, Pleat, Stitch, Suede, Threshold plates:

- Stone, masonry, timber or vinyl substrates: Adhesive fix.
- Vitrified porcelain, ceramics, glass or metal substrates: Adhesive fix.
- Carpet or carpet tile substrates: Screw-fix or adhesive fix.

Urban edges protectors and Rugged stair nosing an edging: Screw-fix with optional adhesive.

3.2 TESTING

0171 General requirements defines different tests in **INTERPRETATION**, **Definitions** and calls for an inspection and testing plan in **TESTING - GENERALLY**, **Inspection and testing plan**.

Completion tests

Slip resistance of completed installation: To AS 4663 (2013).

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.

Luminance contrast testing of completed installation: Submit evidence of conformity to AS/NZS 1428.4.1 (2009) Appendix E and the NCC cited AS 1428.1 (2009) Appendix B.

The NCC cites AS 1428.4 (1992) and AS/NZS 1428.4.1 (2009). The current edition is AS/NZS 1428.4.1 (2009).

The NCC cites AS 1428.1 (2001) and AS 1428.1 (2009). The current edition is AS 1428.1 (2021).

DTAC can test substrates for luminance contrast to make sure the installed DTAC tactile indicators and edging conform to AS/NZS 1428.4.1 (2009) Appendix E for tactile indicators and AS 1428.1 (2009) Appendix B for edging. Delete if not required.

3.3 COMPLETION

Warranties

Conditions: Installation by DTAC or DTAC approved installer.

Warranty period: 2 years.

The DTAC range of tactile indicators and edging are guaranteed for 2 years against defects in materials and workmanship, provided the products are fitted and inspected to the manufacturer's specifications.

4 SELECTIONS

Schedules are a tool to specify properties required for products or systems. If the principal permits documentation of the product or system by proprietary name, some of the properties may be unnecessary and can be deleted. Document the product

or system's location or application here and/or on the drawings with a matching project code. Refer to NATSPEC TECHnote GEN 024 for guidance on using and editing schedules.

4.1 DTAC PRODUCTS

Tactile indicator and edge protector schedule

	TI1	TI2	TI3
Type			
Product code			
Design			
Material/Colour			
Slip-resistance classification			
Substrate			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Type: Select from Warning tactile, Directional tactile, Integrated tactile or Urban edge protector.

Product code: Refer to the DTAC technical data sheets.

Design: Select from:

- Warning tactile indicator: Classic, Terraced and Classic Black/Yellow Top.
- Directional tactile indicator: Classic Ecotac®, Terraced Ecotac®, Classic Silicon Carbide or Urethane Classic.
- Integrated tactile indicator: Classic, Classic Black Top, Ultimat® Tactile or Ultimat Duo® Tactile.
- Carpet tactile systems: Classic, Classic Ecotac®, Terraced & Carpet Plate.
- Stair nosing and edging: PEMKO® Anti-slip tapes, Corduroy, Pinstripe, Stitch, Suede, Urban and Rugged edging and carpet edging.
- Thresholds and transition strips: PEMKO® Carpet Edge, Ribbed Threshold Plates and Ramps.
- Urban edge protector: Button bevelled, Button round, Bar thin or Bar thick.
- Handrail tactile indicator: Button.

Material/Colour: A colour contrast may be required, in both wet and dry conditions, between the tactile indicators and the adjacent surface. The colour is to provide a luminance contrast to the surrounding surface to AS/NZS 1428.4.1 (2009) Appendix E. The NCC cites AS 1428.4 (1992) and AS/NZS 1428.4.1 (2009). The current edition is AS/NZS 1428.4.1 (2009).

Material/Colour of warning tactile indicators: Select from:

- Classic: Type 316 stainless steel (clear or black PVD coated), Solid brass, or Thermoplastic Urethane (TPU) (black, blue, yellow, light grey or white), or Type 316 stainless steel edge with yellow or black Thermoplastic Urethane (TPU) top or black silicon carbide top.
- Terraced: Type 316 stainless steel, Solid brass, or Type 316 stainless steel outer edge with a black Thermoplastic Urethane (TPU) top.
- Ecotac® Classic: Type 316 stainless steel.
- Ecotac® Terraced: Type 316 stainless steel.

Material/Colour of directional tactile indicators: Select from:

- Classic Ecotac®: Type 316 stainless steel (clear with textured finish).
- Terraced Ecotac®: Type 316 stainless steel (clear with textured finish).
- Classic Silicon Carbide: Type 316 stainless steel smooth outer edge with black silicon carbide top.
- Urethane Classic: Thermoplastic Urethane (TPU) in black, yellow, light grey or white.

Material/Colour of integrated tactile products: Select from:

- Classic: Type 316 Stainless steel.
- Classic Black Top: Type 316 Stainless steel with black silicon carbide top.
- Ultimat® Tactile: Thermoplastic Urethane (TPU) in black, yellow, light grey, ivory and white.
- Ultimat Duo® Tactile: Thermoplastic Urethane (TPU / Nylon). Colours dependent on project requirements. Consult DTAC.

Material/Colour of carpet tactile systems: Select from:

- Classic (Low/High Pile): Type 316 stainless steel or Solid brass.
- Terraced (Low/High Pile): Type 316 stainless steel.
- Classic Ecotac® (High Pile): Type 316 stainless steel.

- Carpet Plate: Zinc-plated mild steel.

Material/Colour of stair nosing and edging: Select from:

- PEMKO® Anti-slip tapes: Silicon carbide PVC tape in black, black with luminescent strip and yellow.
- PEMKO® Corduroy: 6063 T5 aluminium alloy up to 40 µm hard anodised (natural, bright gold and black).
- PEMKO® Pinstripe: 6063 T5 aluminium alloy up to 40 µm hard anodised (natural and black).
- PEMKO® Pleat: 6063 T5 aluminium alloy up to 40 µm hard anodised (natural and black).
- PEMKO® Stitch: 6063 T5 aluminium alloy up to 40 µm hard anodised (natural and black).
- PEMKO® Suede: 6063 T5 aluminium alloy up to 40 µm hard anodised (natural and black) with silicon carbide insert (black).
- PEMKO® Urban: 6063 T5 aluminium alloy (natural mill-finish) with silicon carbide insert (black, grey and yellow).
- PEMKO® Rugged: Fibre glass reinforced polymer (black and yellow).

Material/Colour of threshold and transition strips: Select from:

- PEMKO® Carpet edge plate: 6063 T5 aluminium alloy with over 25 µm hard anodised (natural).
- PEMKO® Threshold plates: 6063 T5 aluminium alloy with over 25 µm hard anodised (natural and black), some models featuring PVC sill gaskets (grey).
- PEMKO® Threshold ramps: 6063 T5 aluminium alloy with over 25 µm hard anodised (natural and black).
- PEMKO® Transition strip: 6063 T5 aluminium alloy with 25 µm hard anodised (natural).

Material/Colour of urban edge protectors: Select from:

- Button: Type 316 Stainless steel or Solid brass.
- Bar: Type 316 Stainless steel.

Material/Colour of handrail tactile indicators: Select from:

- Button: Type 316 stainless steel.

Slip resistance classification: Refer to NATSPEC TECHnote DES 001, SA HB 197 (1999) and SA HB 198 (2014). Select the slip resistance test and classification to suit the location and application.

Substrate: Nominate the material of the substrate for fixing the tactile indicator.

Stair edging schedule

	SE1	SE2	SE3
Product code			
Application			
Design			
Colour			
Slip resistance classification			
Substrate			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Product code: Refer to the DTAC technical data sheets.

Application: e.g. Stair nosing to NCC requirements, or Edging to finishes as detailed.

Design: Select from:

- DTAC PEMKO® Corduroy.
- DTAC PEMKO® Pinstripe.
- DTAC PEMKO® Pleat.
- DTAC PEMKO® Stitch.
- DTAC PEMKO® Suede.
- DTAC PEMKO® Urban.
- DTAC PEMKO® Urban - Mill finished aluminium.
- DTAC PEMKO® Rugged.

Colour: Select from:

- DTAC PEMKO® Corduroy edging: Natural, black or gold.
- DTAC PEMKO® Pinstripe edging: Natural and black.
- DTAC PEMKO® Pleat edging: Natural or black.

- DTAC PEMKO® Stitch edging: Natural and black.
- DTAC PEMKO® Suede edging: Natural or black with silicon carbide infill.
- DTAC PEMKO® Urban edging: Natural or black with black, grey or yellow silicon carbide infill.
- DTAC PEMKO® Urban edging - Mill finished aluminium: Natural (mill-finish) with black, grey and yellow silicon carbide infill.
- DTAC PEMKO® Rugged edging: Yellow or black.

Slip resistance classification: Refer to NATSPEC TECHnote DES 001, SA HB 197 (1999) and SA HB 198 (2014). Select the slip resistance test and classification to suit the location and application.

Substrate: Nominate the material of the substrate for fixing the stair edging.

REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS 1428		Design for access and mobility
AS 1428.1	2009	General requirements for access - New building work
AS/NZS 1428.4.1	2009	Means to assist the orientation of people with vision impairment - Tactile ground surface indicators
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		Design for access and mobility
AS 1428.1	2001	General requirements for access - New building work
AS 1428.1	2021	General requirements for access - New building work
AS 1428.4	1992	Tactile ground surface indicators for the orientation of people with vision impairment
SA HB 197	1999	An introductory guide to the slip resistance of pedestrian surface materials
SA HB 198	2014	Guide to the specification and testing of slip resistance of pedestrian surfaces
NCC A5G1	2022	Governing requirements - Documentation of design and construction - Suitability
NATSPEC DES 001		Slip resistance performance
NATSPEC GEN 006		Product specifying and substitution
NATSPEC GEN 024		Using NATSPEC selections schedules
NATSPEC TR 01		Specifying ESD