



Birrus tactile studs are manufactured with different installation options to suit different flooring surfaces and safety requirements. TGSIs can be used in areas featuring stairways, escalators, moving walkways, ramps or in areas where there is the absence of a suitable barrier

Our manufacturing standard lead time is up to 10 working days plus delivery time.



SYSTEM APPLICATIONS

Birrus TGSIs are used in a range of different environments including:

- Retail Stores
- Hotels
- Bars and Restaurants
- Office & Corporate Buildings
- Public Buildings including
 - Schools
 - Libraries
 - Hospitals & Healthcare Facilities
- Public Transport Stations and Stops
- Recreational Facilities & Stadiums
- Museums, Galleries and Tourist Sites
- Public Parks
- Pedestrian Crossings



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TACTILE STUDS

Luxury - Quality - Reputation



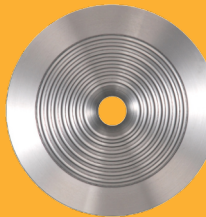
PIN POSITIVE TACTILE STUDS

Type 1



FLAT BACK TACTILE STUDS

Type 2



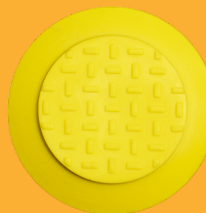
SCREW DOWN TACTILE STUDS

Type 3



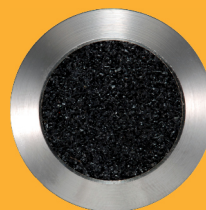
BRASS TACTILE STUDS

Type 4



POLY PIN TACTILE STUDS

Type 5

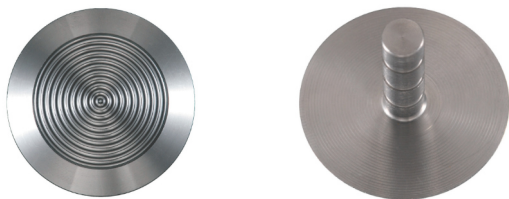


CARBORUNDUM TACTILE STUDS

Type 7

PIN POSITIVE TACTILE STUDS

Type 1



Featuring concentric rings on the top surface and a polished rim, these studs are manufactured from 316 Marine Grade Stainless Steel to withstand the harsh coastal environments of Australian towns and cities.

This material is corrosion-resistant and has superior mechanical qualities.



TECHNICAL SPECIFICATION

GENERAL

- Interior and exterior use
- Construction material: stainless 316
- Colours: natural
- Node spacing reference: AS/NZ 1428.4.1:2009
- Installation: drill and glue with epoxy adhesive

SUITABLE SUBSTRATES

- Natural stone (granite, marble, sandstone, slate, blue stone, basalt & more)
- Engineered stone (caesar stone, quantum stone & more)
- Concrete asphalt
- Timber/rubber vinyl flooring
- Ceramic

CSIRO TESTING RESULTS

- AS/NZS 4586 Appendix A wet pendulum 4S: W
- AS/NZS 4586 Appendix D oil wet ramp test: R12
- AS/NZS 1428.4 wet & dry luminance reflectance:
 - Dry 25.1
 - Wet: 19.5
 - Mean contrast range: 10.8 - 45.5

AVERAGE LRVs	DRY	WET
Tristimulus colourimeter	54.84	53.05
Spectrophotometer	42.32	30.90
Combined average LRV	48.58	41.97

TACTILE STUD DIMENSIONS

- Top of dome: 25mm
- Base of dome: 35mm
- Height of dome: 5mm
- Stem diameter: 6mm
- Stem length: 12mm

FLAT BACK TACTILE STUDS

Type 2



These tactile studs are for applications where a fast-stick glue will be used to adhere the stud directly to the flooring surface. Concentric rings on the top surface provide grip and the polished rim sits flush with the flooring. Manufactured from 316 Marine Grade Stainless Steel to ensure a durable and corrosion-resistant finish, even in harsh coastal locations.



TECHNICAL SPECIFICATION

GENERAL

- Interior and exterior use
- Construction material: stainless 316
- Colours: natural
- Node spacing reference: AS/NZ 1428.4.1:2009
- Installation: glue with epoxy adhesive

SUITABLE SUBSTRATES

- Natural stone (granite, marble, sandstone, slate, blue stone, basalt travertine & more)
- Engineered stone (caesar stone, quantum stone & more)

CSIRO TESTING RESULTS

- AS/NZS 4586 Appendix A wet pendulum 4S: W
- AS/NZS 4586 Appendix D oil wet ramp test: R12
- AS/NZS 1428.4 wet & dry luminance Reflectance:
 - Dry 25.1
 - Wet: 19.5
 - Mean contrast range: 10.8 - 45.5

AVERAGE LRVs	DRY	WET
Tristimulus colourimeter	54.84	53.05
Spectrophotometer	42.32	30.90
Combined average LRV	48.58	41.97

TACTILE STUD DIMENSIONS

- Top of dome: 25mm
- Base of dome: 35mm
- Height of dome: 5mm

SCREW DOWN TACTILE STUDS

Type 3



If the flooring is a soft substrate such as carpet, it can be best to use a screw-down tactile stud. The top surface features concentric rings to provide grip. These studs have a hole suitable for a #8-gauge countersink screw. Matching screws can be supplied as an optional extra.



TECHNICAL SPECIFICATION

GENERAL

- Interior and exterior use
- Construction material: stainless 316
- Colours: natural
- Installation: wall-plug and screw or equivalent

SUITABLE SUBSTRATES

- Timber
- Vinyl flooring
- Carpet

CSIRO TESTING RESULTS

- AS/NZS 4586 Appendix A wet pendulum 4S: W
- AS/NZS 4586 Appendix D oil wet ramp test: R12
- AS/NZS 1428.4 wet & dry luminance Reflectance:
 - Dry 25.1
 - Wet: 19.5
 - Mean contrast range: 10.8 - 45.5

AVERAGE LRVs	DRY	WET
Tristimulus colourimeter	54.84	53.05
Spectrophotometer	42.32	30.90
Combined average LRV	48.58	41.97

TACTILE STUD DIMENSIONS

- Top of dome: 25mm
- Base of dome: 35mm
- Height of dome: 5mm

BRASS TACTILE STUDS

Type 4



A corrosion-resistant DR-grade Brass is used to ensure that these studs are durable. Able to withstand coastal environments with high-forming and welding characteristics, this is the best grade of brass to be used for TGSi products. Concentric circles on the top surface provide grip while the polished rim sits flush with the flooring surface.



TECHNICAL SPECIFICATION

GENERAL

- Interior and exterior use
- Construction material: DR-grade brass
- Colours: natural
- Installation: drill and glue with epoxy adhesive

SUITABLE SUBSTRATES

- Natural stone (granite, marble, sandstone, slate, blue stone, basalt & more)
- Engineered stone (caesar stone, quantum stone & more)
- Concrete asphalt
- Timber/rubber vinyl flooring
- Ceramic

CSIRO TESTING RESULTS

- AS/NZS 4586 Appendix A wet pendulum 4S: W
- AS/NZS 4586 Appendix D oil wet ramp test: R11
- AS/NZS 1428.4 wet & dry luminance Reflectance:
 - Dry 25.1
 - Wet: 19.5

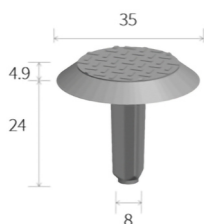
AVERAGE LRVs	DRY	WET
Tristimulus colourimeter	54.36	56.48
Spectrophotometer	55.58	52.95
Combined average LRV	54.97	54.97

TACTILE STUD DIMENSIONS

- Top of dome: 25mm
- Base of dome: 35mm
- Height of dome: 5mm
- Stem diameter: 6mm
- Stem length: 12mm

POLY PIN TACTILE STUDS

Type 5



These studs feature an anti-rotation fit anchor which makes them vandal and removal proof. The surface profile delivers the highest P5 slip-resistance classification for warning and directional indicators. They can be retrofitted to most substrates* to ensure regulatory compliance with a low-cost and versatile system.



TECHNICAL SPECIFICATION

GENERAL

- Interior and exterior use
- Construction material: polyurethane
- Colours: black, charcoal, grey, white, red, or yellow
- Installation: drill and press-in

SUITABLE SUBSTRATES

- Masonry
- Ceramic tiles
- Stone
- Timber
- Terrazzo

**Note: Not suitable for installation on carpet with underlay.*

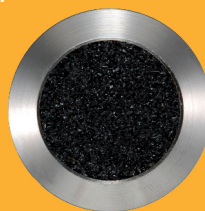
		AS/NZS 1428.4 Luminance Reflectance		
Stud Colour	Product Code	Dry LVR	Wet LVR	
Black	121611	3.98	3.30	
Charcoal	121612	8.58	7.53	
Grey	121613	48.62	46.14	
White	121614	86.09	85.60	
Red	121616	12.63	12.44	
Yellow	121618	71.18	70.02	

TACTILE STUD DIMENSIONS

- Top of dome: 25mm
- Base of dome: 35mm
- Height of dome: 4.9mm
- Stem diameter: 8mm
- Stem length: 24mm

CARBORUNDUM TACTILE STUDS

Type 7



A custom-colour Carborundum insert in the top of these studs gives a complimentary finish to your flooring colour scheme while maintaining their mechanical integrity.

The remainder of the stud is made from 316 Marine Grade Stainless Steel to provide a hard-wearing and corrosion-resistant system.



TECHNICAL SPECIFICATION

GENERAL

- Interior and exterior use
- Construction material: stainless 316
- Colours: natural
- Coating: silicon carbide (carborundum) baked onto the surface
- Node spacing reference: AS/NZ 1428.4.1:2009
- Installation: drill and glue with epoxy adhesive

SUITABLE SUBSTRATES

- Natural stone (granite, marble, sandstone, slate, blue stone, basalt & more)
- Engineered stone (caesar stone, quantum stone & more)
- Concrete asphalt
- Timber/rubber vinyl flooring
- Ceramic

CSIRO TESTING RESULTS

- AS/NZS 4586 Appendix A wet pendulum 4S: W
- AS/NZS 4586 Appendix D oil wet ramp test: R12
- AS/NZS 1428.4 wet & dry luminance reflectance:
 - Dry 25.1
 - Wet: 19.5
 - Mean contrast range: 10.8 - 45.5

AVERAGE LRVs	DRY	WET
Tristimulus colourimeter	4.62	3.81
Spectrophotometer	3.47	2.34
Combined average LRV	4.04	3.07

TACTILE STUD DIMENSIONS

- Top of dome: 25mm
- Base of dome: 35mm
- Height of dome: 5mm
- Stem diameter: 6mm
- Stem length: 12mm