



SIRUS TGSI™

WARNING AND DIRECTIONAL
TACTILE INDICATORS

HEAVY DUTY METAL TACTILES

- SURFACE MOUNTED • THIN FLEXIBLE BASE
- MANUFACTURED IN ONE PIECE • EXTRA LARGE SIZES

FURTHER INFORMATION

1300 ALL TAC

1300 255 822

info@alltac.com.au

www.alltac.com.au



OUR STORY

OUR HISTORY

In 2007 Alltac analysed and assessed all TGSi products available in the Australian market from both here and overseas. Unable to find a tactile product/design that we could easily identify as our own, to confidently sell and guarantee the quality and performance, led us to a large ongoing investment in Research and Development. This investigation led to the discovery of the world first patented self-cleaning TGSi with the added benefit of a P5/R12 crown design.

Over the past decade the "Allstar" crown (as it is known), is a proven stud tactile design capable of being manufactured in a range of materials including our patented metal Sirus TGSi™ while also still dealing with Australia's diverse and harsh climatic conditions.

OUR COMMITMENT

At Alltac we believe it is important for Australian industry and manufacturers to set themselves apart from overseas imports through innovation, design, uniqueness, and ultimately patent protection to ensure we can all continue our support local jobs and industries so our country prospers now and in the future for our children.

Our values and beliefs have made Alltac Australia's leading and most innovative TGSi's manufacturer in the country today and looking to remain into the future with our commitment to excellence in our market.

Alltac is also committed to delivering exceptional customer service and satisfaction through all aspects of our business. By continuing to source the highest quality materials we can guarantee the supply of products that are not only unique, but are unequalled in the enhanced appearance, quality, superior durability, innovation and long-term performance. While continuing to seek solutions from realms never explored.

Sirus TGSi® plates are completely recyclable and can be used as a retrofit product reducing the impact on the environment. They can also be used to cover existing old and failed tactiles without the cost of removal and adding to landfill.

STAY IN TOUCH

Please contact us for more information on our unique and innovative range of tactile ground surface indicators (TGSi's). Our trained and experience staff are ready to guide with product selection or simply assist further in our field of expertise.

Please call us today on **1300 ALL TAC** or



OUR STORY



Sirus TGSi's are an exclusive invention which has been examined and is protect product by law through IP Australia.



ALLGRIP - Warning & Directional

**APPROVED
FOR USE**

- ✓ VICROADS
- ✓ Department of Transport (DoT) – Victoria
- ✓ TMR - Department of Transport and Main Roads – Queensland

- ✓ Industry leading fastest and easiest installation
- ✓ Mechanical and Adhesive fixed (tamper proof)
- ✓ Low profile 1.6 mm flexible base
- ✓ Warning and Directionals in White, Yellow and Black
- ✓ Large sizes eliminates possibility of edges lifting
- ✓ Slip Resistant*
 - Warning P5 - 56 SRV / R11 - 20°
 - Directional P5 - 62 SRV / R11- 26°



Bus Bays

Specify Sirius TGSI's™ in the ALLGRIP finish on your next project if looking for long term performance guarantees.



ALLTAC



NOTE: *Testing as per AS 4586 – NATA approved. Contact Alltac on 1300 ALL TAC or 1300 255 822 for further information.

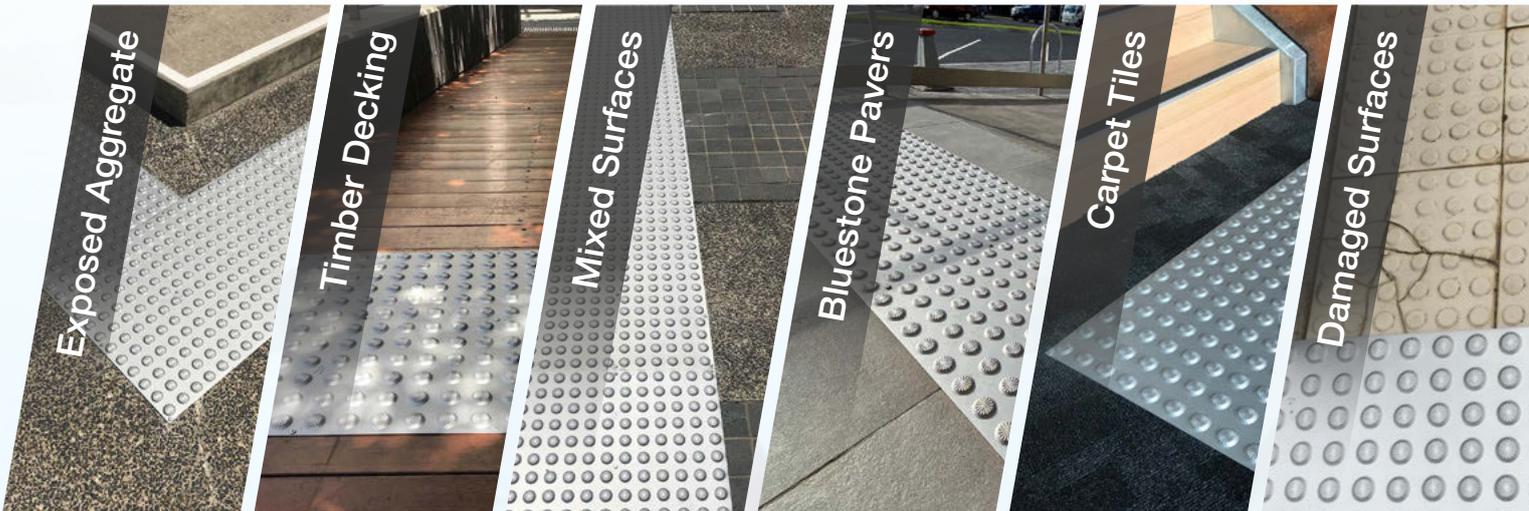


PLATINUM FINISH 72 LRV



SIRUS TGSI™ EXCLUSIVE ANNONDISSED FINISHES

– A versatile product suitable for almost any substrate or location, including surfaces previously unsuitable or incompatible for surface mounted TGSI's.



Examples above are shown in platinum finish, other finishes available refer to colour chart.
Options Not Shown: Bitumen*, Mesh*
*Special fixing method required



SIRUS TGSI - Braille for your feet



AUSTRALIAN MADE

Alltac is committed to producing tactile indicators of the highest quality.

Our Sirus TGSI's are manufactured locally, using materials that are sustainable and good for the environment.

Sirus TGSI are designed in Australia to suit our diverse climate conditions, from ice and snow in the mountains through to dirt and dust in the outback.

While remaining price competitive in a market flooded with plastic imported TGSI's.

- Locally made Tactiles ensures greater quality control
- Fast Turnaround times
- Low MOQ's
- Local engineering expertise
- Supporting local jobs and businesses



Accredited for compliance with ISO/IEC 17025 - Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration and inspection reports



LOCALLY MANUFACTURED

ECO FRIENDLY SOLUTION

AUSTRALIA DOES NOT NEED MORE PLASTIC TACTILES ENDING UP IN LANDFILL

Consciously specify Sirus TGSI metal plates on you next job.

Every time you are using a SIRUS TGSI product you are reducing your impact on the environment.



REDUCE / Reduce landfill with a long life product and retrofitting

REUSE / Can be repurposed and recoated

REPAIR / Maintain in-situ, cover existing TGSIs

RECYCLE / Can be completely recycled at end of life.



NOTE: No Volatile Organic Compounds (VOG's) are used in the manufacture of SIRUS TGSI®'s. Oversprayed powder is recycled with minimal disposal or wastage. Safe and lead-free.



KEY UNIQUE FEATURES

LOW PROFILE BASE

- Industry Thinnest - 1.6mm
- Flexible - undulating/curved surfaces
- Reduced trip hazard

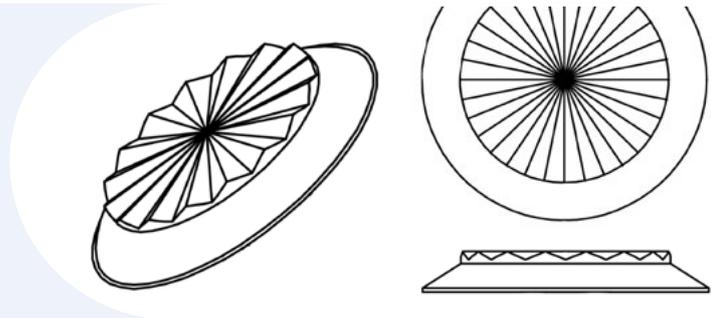


METAL CONSTRUCTION

- Strong / durable
- Once piece large format
- Recyclable / zero waste
- Eliminate crack & fracturing

ALLSTAR DESIGN - DOME

- Tested & proven shape for 15 years
- P5 in raw form
- Won't hold dirt
- Symmetrical slip resistance (360°)

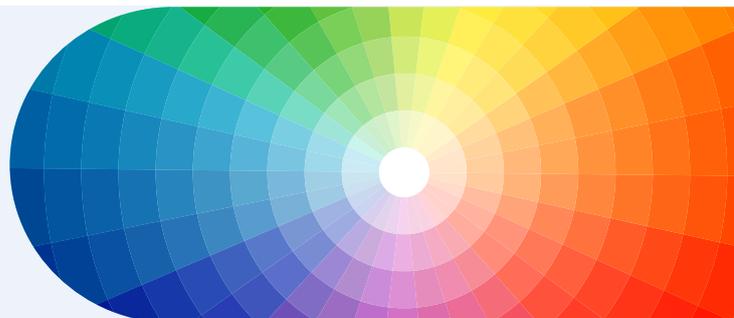


EXTRA LARGE SIZES

- Less fixing points
- Minimise joins
- Eliminate edges lifting

FINISHES

- Range of textures / coatings
- Huge colour options
- Luminous contrast versatility



Siris TGSI's are an exclusive invention which has been examined and is protect product by law through IP Australia.



KEY UNIQUE FEATURES

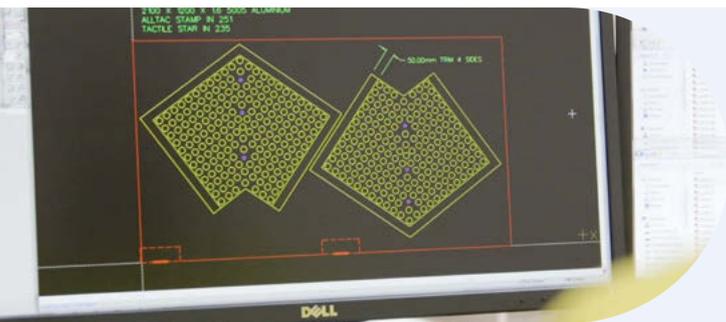


MECHANICAL FASTENING

- Fix base in any location
- Avoid construction joins/pits
- Metal fixing in a metal product
- Fast drill & hit (screw optional)

REPAIR SYSTEM

- Hollow base construction
- Cover over existing tactiles
- Eliminate removal of old TGSI



CUSTOM ENGINEERING

- Curves/angles/radius
- Coating/thickness/strength
- Strengthening beyond foot traffic
- Sizes and widths

FAST INSTALLATION

- 10-20m² per worker per day
- Minimum disruption site days
- Direct fix - exposed aggregate
- Will not break or fracture
- Fixing points optional
- Easy handling
- Flexible



Siris TGSI's are an exclusive invention which has been examined and is protect product by law through IP Australia.



SELECTOR GUIDE

KEY CRITERIA & REQUIREMENTS TO CONSIDER WHEN SELECTING & SPECIFYING TACTILES

- 1 DETECTABLE BY TACTILE MEANS**
- Section 2.2 (a)
 Due to the thinness of the Sirius TGSI™ base (1.6 mm) with it allows us to have a taller dome (4-5 mm) allowing for greater detectability by tactile means - with a walking cane or braille through the foot.
- 2 NO LIKELIHOOD OF EDGES LIFTING**
- Section 2.3.1 (a) & 3.2.1 (a)
 There is no likelihood of edges ever lifting with Sirius TGSI™ as they are produced in a large format one piece design. Unlike the industry standard use of a 600 x 300 mm tiles.
- 3 SHALL BE SLIP RESISTANT**
- Section 2.3.1 (c) & 3.2.1 (c)
 Sirius TGSI™ have a P5 slip resistant dome design in their raw manufactured form. It also maintains its slip rating after a NATA laboratory accelerated wear test of 5000 revolutions, representative of lifetime of wear through foot traffic.
- 4 CORRECT DOME HEIGHT**
- Section 2.3.1 (d) & 3.2.1 (d)
 The Sirius TGSI™ truncated Dome height is maintained for a longer period due to the heavy-duty star shaped design, combined with the self-cleaning properties which also provides for greater visual appearance and performance in the long term.
- 5 BASE THICKNESS LESS THAN 3mm**
- Section 2.3.1 (e) & 3.2.1 (e)
 The base of the Sirius TGSI™ is a strong, flexible 1.6 mm metal that will not crack or fracture like other industry TGSI's made from plastic or fibre reinforced polymers.
- 6 MEET DESIGN REQUIREMENTS**
- Figure 2.1, 3.1 (a) & E3 (B)
 Sirius TGSI™ unique ability to mechanical fasten in any location through the base surface. Unlike other industry tactiles by fixing through the dome it does not provide uniformity across the domes which also affects the luminous reflectance value of the dome changing it from a discrete to a composite discrete TGSI. AS/NZS 14.28.4.1:2009 refer the Figure E3 (B) Amendment No 1 November 2010.

Australian/New Zealand Standard™ Design for access and mobility AS/NZS 1428.4.1:2009 (Incorporating Amendment No. 1)
 Part 4.1: Means to assist the orientation of people with vision impairment
 – Tactile ground surface indicators

	NATURAL	PLATINUM	ANODISED	ALLTEX	ALLGRIP	ALLGRIP HD	ALLGRIP IND.
6 KEY REQUIREMENTS							
AS/NZS 1428.4.1.2009							
● Detectable Tactile	●	●	●	●	●	●	●
■ Edges lifting	●	●	●	●	●	●	●
■ Slip resistant - New	R	R	R	R	R	R	R
■ Slip resistant - Old	R	R	●	●	R	R	R
■ Dome height	●	●	●	●	●	●	●
■ Base thickness < 3mm	●	●	●	●	●	●	●
■ Design Requirements	●	●	●	●	●	●	●
SUSTAINABILITY							
Recyclable	●	●	●	●	●	●	●
Zero waste	R	R	R	●	●	●	●
Self cleaning	R	R	R	●	●	●	●
Australian Made	●	●	●	●	●	●	●
ENVIRONMENT							
Internal	R	R	●	●	N	N	N
External	●	●	●	N	R	R	R
Luminous reflection (LRV)	48	72	Refer to colour chart				
Standard traffic	●	●	●	●	●	●	●
High traffic	R	R	●	●	R	R	R
Extreme traffic	R	R	●	●	R	R	R
Marine/coastal	●	R	●	●	●	●	●
Ice/Snow	R	R	●	●	●	●	●
Ramp/Sloping surface	N	N	N	●	R	R	R
SURFACE							
Dark surface	●	R	Refer to colour chart				
Light surface	●	●	Refer to colour chart				
Carpet tile	R	R	●	●	●	●	●
Exposed aggregate	●	R	●	N	●	●	N
Concrete	●	R	●	●	R	●	●
Bitumen	●	R	●	N	●	●	N
Vinyl/Lino	R	R	●	●	N	N	N
Ceramics	●	R	●	●	●	●	N
Pavers	●	●	●	●	●	●	●
Timber	●	●	●	●	●	●	●
Secure Fixing Method	●	●	●	●	●	●	●
SLIP RATING							
B.P.N. slip rating	5	5	5	4	5	5	5
Oil Ramp Test	11	11	11	10	12	13	13

R Recommended N Not Recommended ● Pass ● Fail

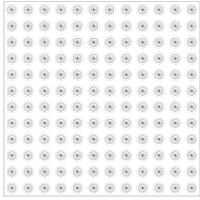


Please contact our technical services division for further information on 1300 255 822.

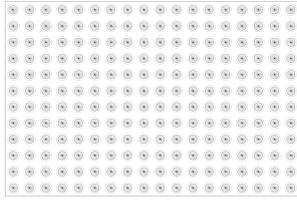


SIZING

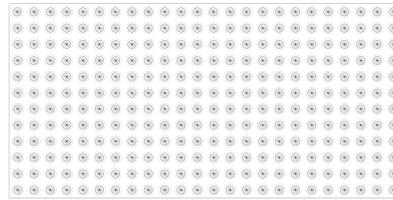
HAZARD / WARNING



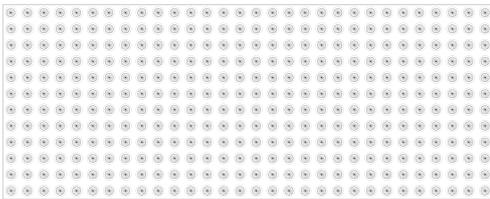
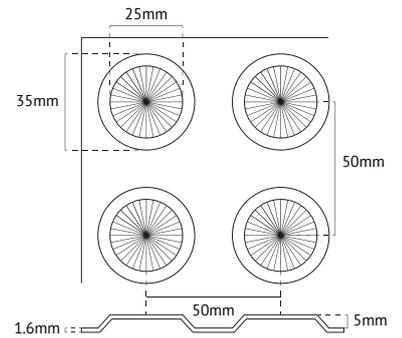
600mm x 600mm
TPA-SIR-66



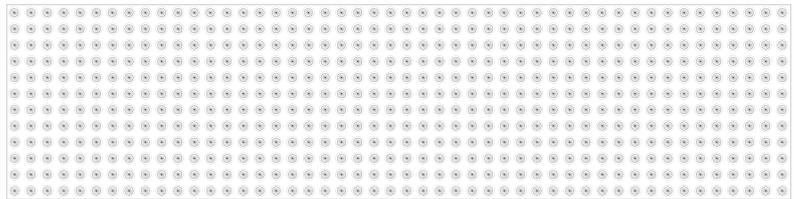
900mm x 600mm
TPA-SIR-90



1200mm x 600mm
TPA-SIR-12

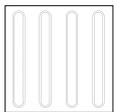


1500mm x 600mm
TPA-SIR-15

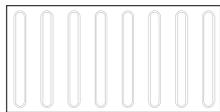


2400mm x 600mm
TPA-SIR-24

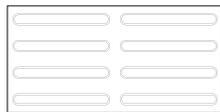
DIRECTIONAL



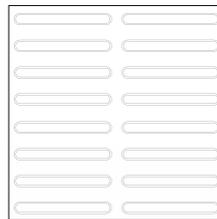
300mm x 300mm
TPA-DIR-33



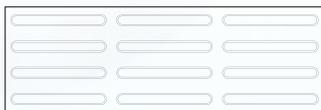
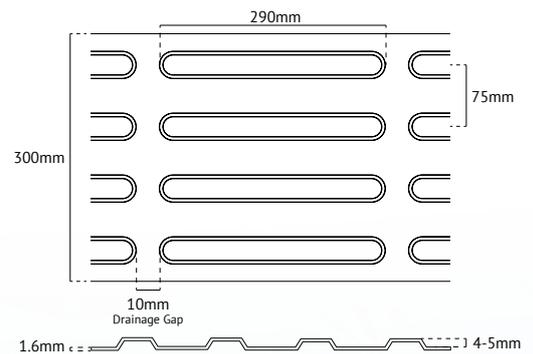
600mm x 300mm
TPA-DIR-63



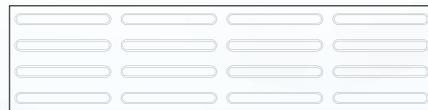
300mm x 600mm
TPA-DIR36



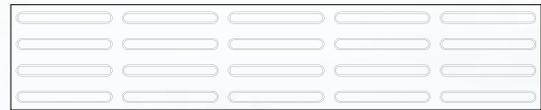
600mm x 600mm
TPA-DIR-66



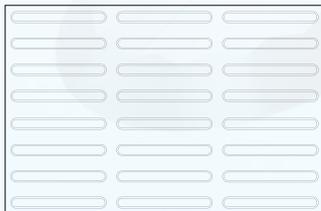
900mm x 300mm
TPA-DIR-93



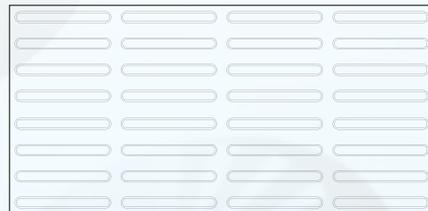
1200mm x 300mm
TPA-DIR-123



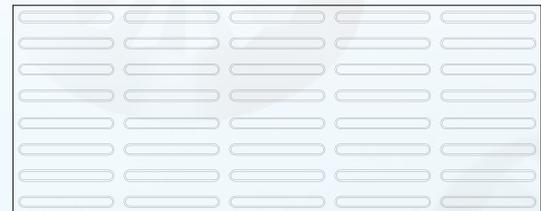
1500mm x 300mm
TPA-DIR-153



900mm x 600mm
TPA-DIR-96



1200mm x 600mm
TPA-DIR-126



1500mm x 600mm
TPA-DIR-156

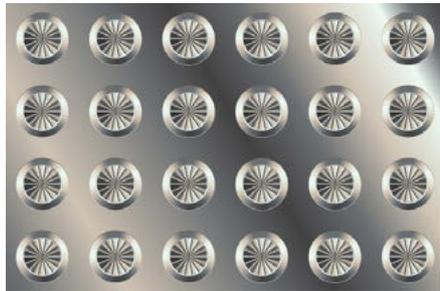


Directionals only available in Alltex and Allgrip.
Custom sizing and widths available on request.

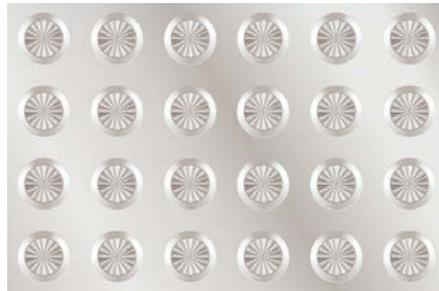


COLOUR SELECTION

STANDARD FINISH - 20 YEAR WARRANTY*



Natural (LRV 48)



Platinum (LRV 72)

ALLGRIP



Black (LRV 5)



White (LRV 73)



Yellow (LRV 53)

ANODISING FINISH OPTIONS (MATT, SHEEN, BRIGHT)



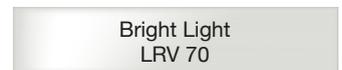
Star Dust
LRV 41



Rigel Gold
LRV 49



Platinum
LRV 72



Bright Light
LRV 70



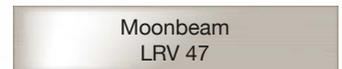
Earth
LRV 9



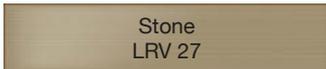
Apollo
LRV 36



Vega
LRV 67



Moonbeam
LRV 47



Stone
LRV 27



Capella
LRV 13



Gem
LRV 40



Alpha Gold
LRV 56



Summer
LRV 61



Milky Way
LRV 40



Solar Flair
LRV 28



Breeze
LRV 38



Autumn Grey
LRV 53



Winter
LRV 32

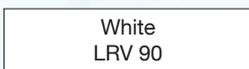


Onyx
LRV 4



Saturn
LRV 5

ALLTEX / INDUSTRIAL



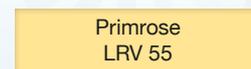
White
LRV 90



Red
LRV 14



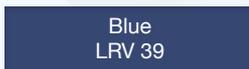
Suede
LRV 57



Primrose
LRV 55



Yellow
LRV 51



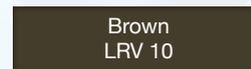
Blue
LRV 39



Grey
LRV 28



Green
LRV 14



Brown
LRV 10



Black
LRV 4

COLOUR OPTIONS



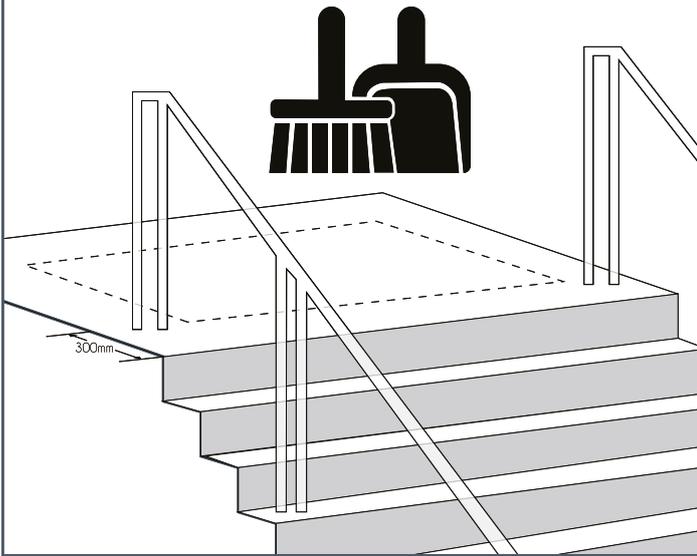
Finish options go beyond this page.
LRV should be confirmed if value is close to compliance
AS/NZS 1428.4 Dry Luminous Reflectance Values (LRV)
Wet values are available on request.



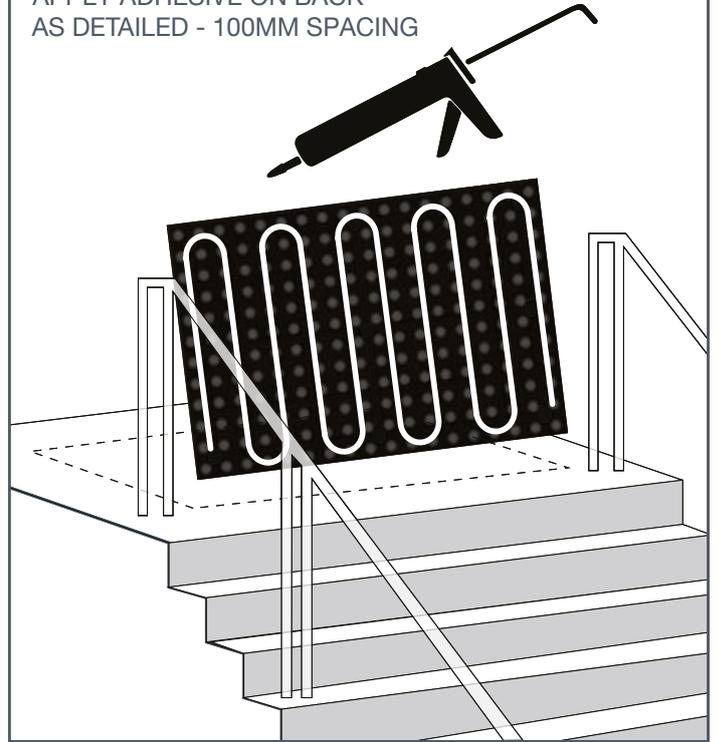
INSTALLATION GUIDE

STEP 1. A) CLEAN AREA OF DUST / DIRT AND LOOSE RUBBLE.

B) LOCATE / POSITION AS PER REF. AS / NZS 1428.4.1.2009 AND MARK LOCATION

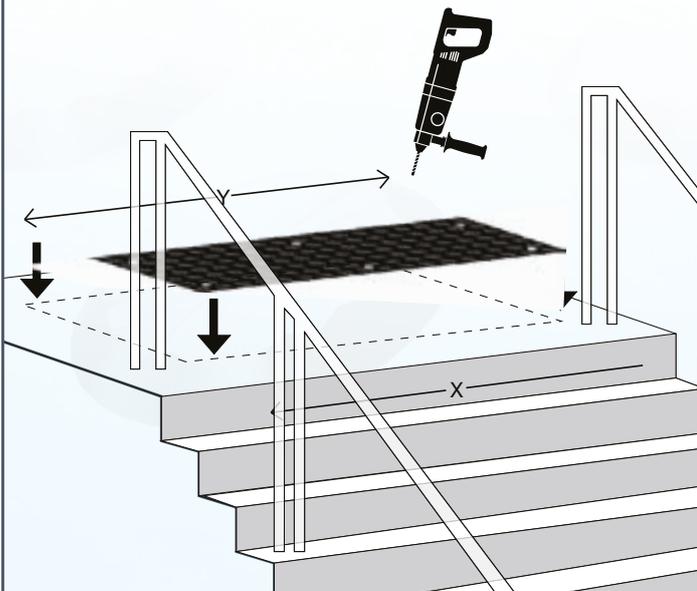


STEP 2. ENSURE SUBSTRATE IS DRY. APPLY ADHESIVE ON BACK AS DETAILED - 100MM SPACING

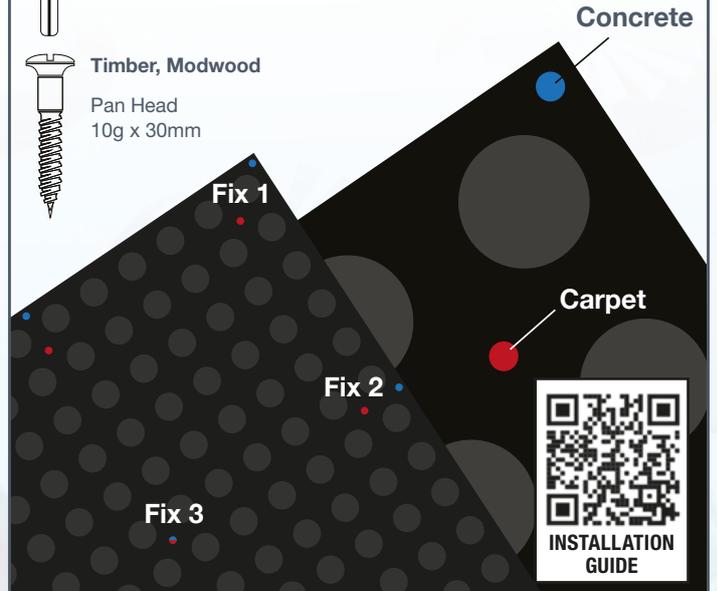
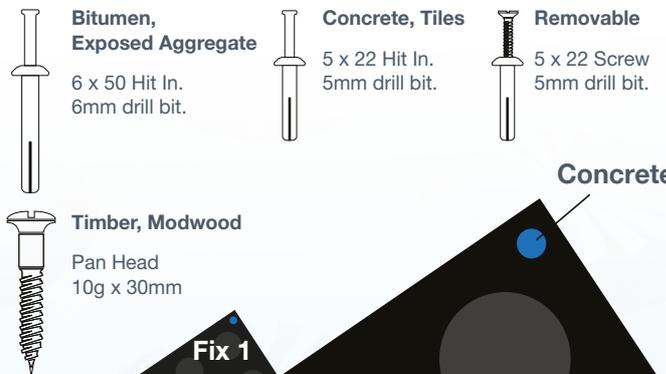


STEP 3. A) PLACE SIRUS TGSI™ PLATE IN DESIRED POSITION AND PIN WITH TWO ANCHORS

STEP 4. DRILL HOLES AS NECESSARY. WORK WITH ONE END WITH THE CENTRE LINE FIRST AND THEN THE PERIMETER 300MM CENTRES



STEP 3. B) FIXED WITH ANCHOR OPTIONS.



This information is to be used as a guide only. Substrates & installation requirements may vary on a job by job basis.



SIRUS TGSI™

WARNING AND DIRECTIONAL
TACTILE INDICATORS



HEAVY DUTY METAL TACTILES

THE ONLY TACTILE THAT YOU CAN CUSTOMISE THE COLOUR,
SIZE AND FINISH TO SUIT ANY APPLICATION OR USE

Sirus TGSI™ will not end up in landfill,
reducing the impact on the environment
while supporting local jobs.



**FURTHER
INFORMATION**

1300 ALL TAC
1300 255 822

info@alltac.com.au
www.alltac.com.au