The ***Ultimate*** Australian Made Tactile

Heading Towards A Sustainable Future

Technical Product Data Sheet

Tactile Ground Surface Indicator (TGSI)

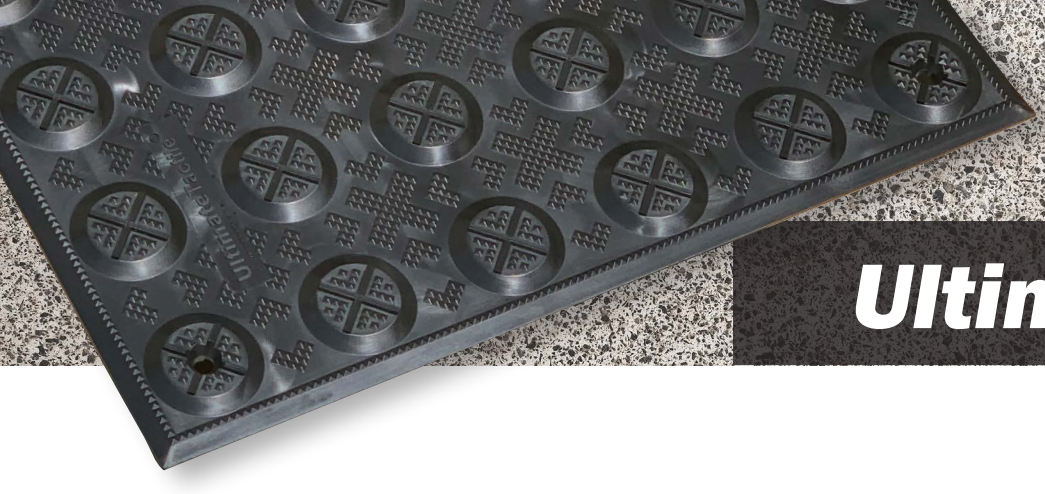
Surface Applied Tile 300mm x 600mm

Recycled Polyethylene Terephthalate (RPET)

*Ultimate*Tactile

Recycled Polyethylene Terephthalate (RPET)

42 Recycled Plastic Bottles in each



UltimateTactile

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Material

The Ultimate tactile is manufactured using Recycled Polyethylene Terephthalate (RPET). The material is sourced locally from an Australian privately owned company using Australian recycled plastics.
In 2018, the Australian government commissioned the Australian plastics recycling industry to capture the consumption and recycling of plastics in Australia in the 17/18 financial year.

They found that a total of 3.4 million tonnes of plastics were consumed in that time in Australia and a total of 320,000 tonnes of plastic was collected for recycling. This was up 10% from the previous year. In that year, Australia collected 9.4% of its total plastic consumption of which 46% was used and processed here, and 54% was exported overseas to be processed in other countries.

There are many different products this material can be used for and after a lot of extensive testing we have developed a material that is suitable for moulding using RPET for both the directional tile and hazard tile.

The Ultimate Tactile is proudly designed and manufactured in Australia using Recycled PET bottles and other PET products.

Ultimate Tactile

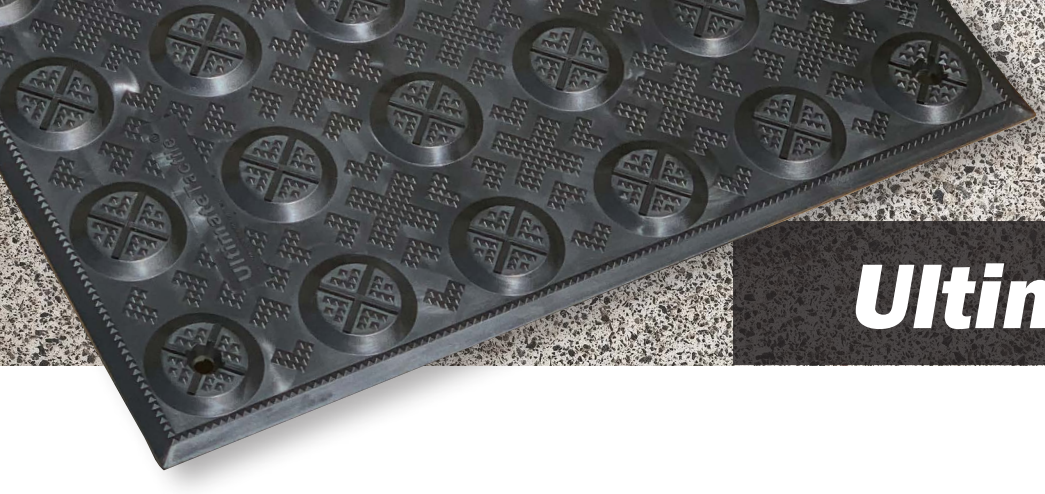
Australian Made... And Proud

Roy Morgan research conducted a survey among Australian business professionals on consumer preferences towards buying Australian made products. Two thirds of Australians would prefer to purchase Australian made products and take it into consideration when choosing between different products.

Only 25% of businesses surveyed said that they had a company policy in place to purchase Australian made products. Australians are becoming more aware of the products they are purchasing and where they are made.

Identifying Australian made products has been made easier through the Australian made Australian grown (AMAG) logo which you will find in the middle of the Ultimate Tactile. To qualify to use this logo, the product must be registered and approved by the Australian made campaign LTD (AMCL) which must meet the criteria set out in the Australian consumer law which ensures that the product is genuinely Australian.

The Ultimate Tactile has been approved by the AMCL as a 100% Australian made product and have allowed for the use of the Australian made logo.
This is something we are very proud of.



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Ultimate Hazard TGSI

UltimateTactile

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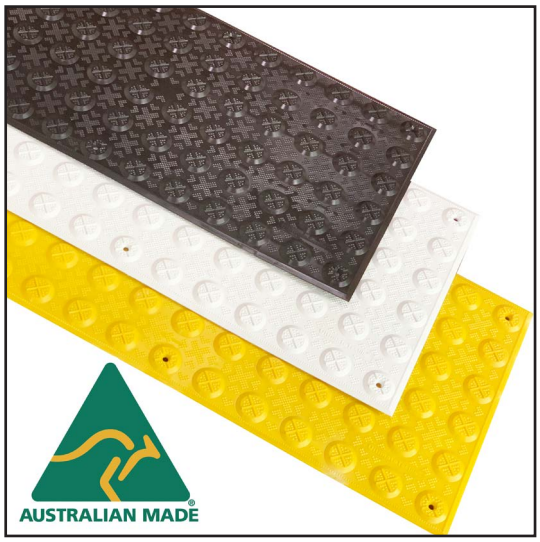
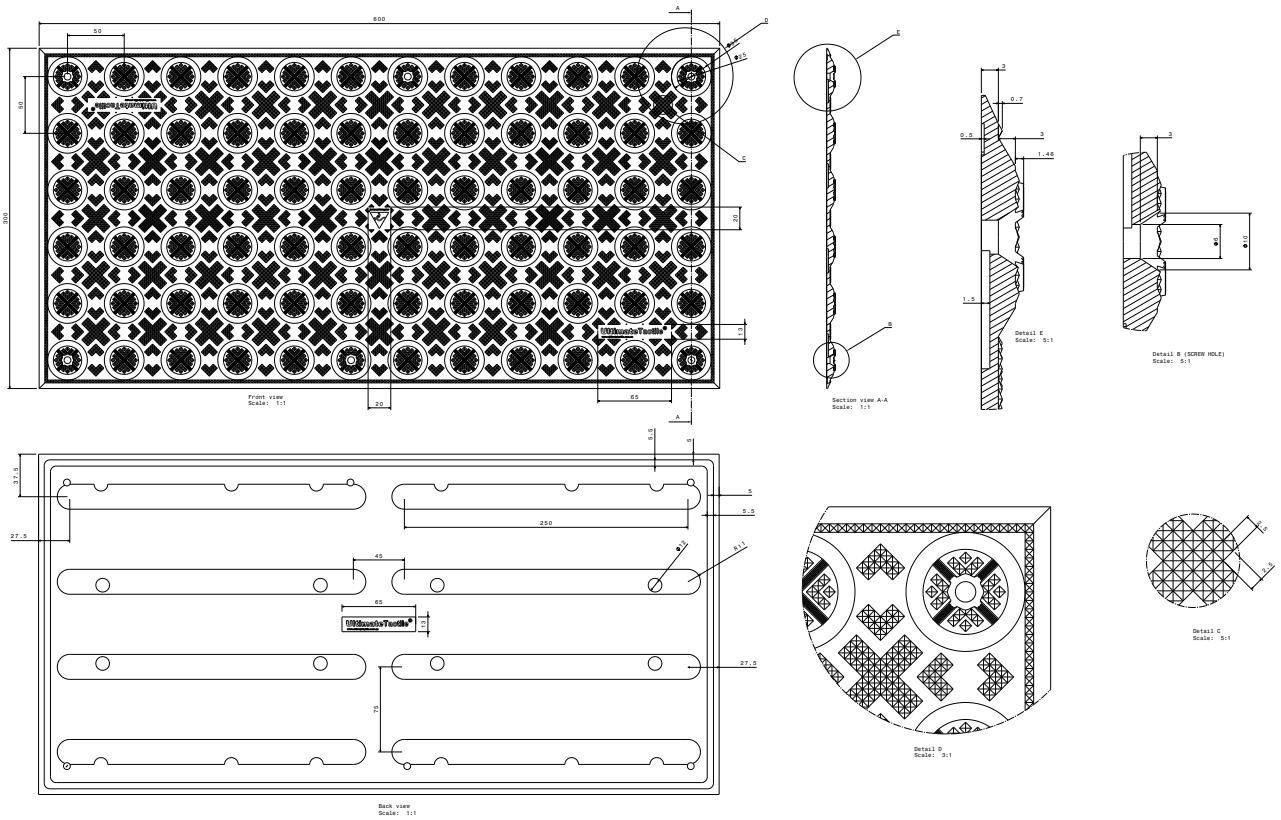
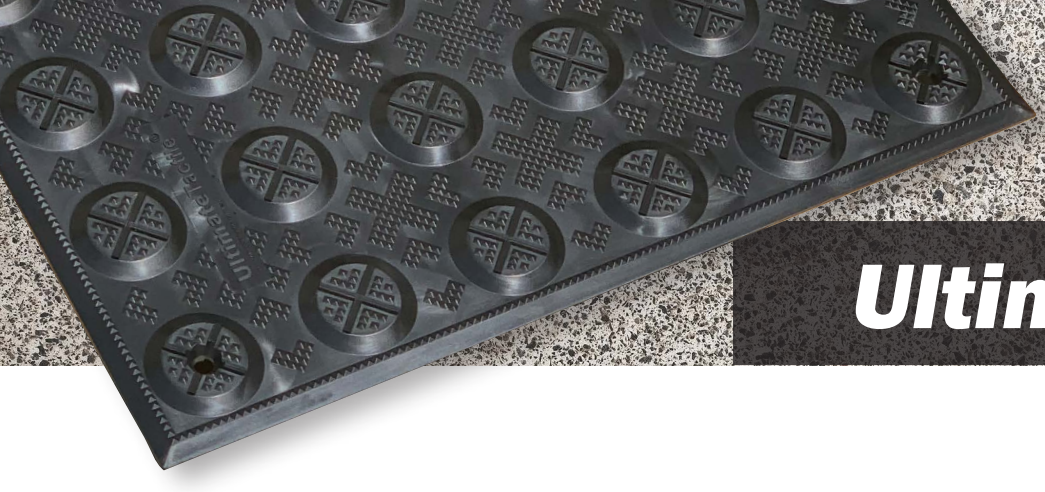


Technical Drawings

Ultimate Hazard Tactile





Ultimate Tactile

Technical Product Data Sheet

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Product Specification Overview - **Hazard TGSI**

Ultimate Hazard Surface Applied TGSI

Ultimate Hazard Tactile Yellow		Ultimate Hazard Tactile White		Ultimate Hazard Tactile Black	
SKU:	ULTHTACYEL	SKU:	ULTHTACW	SKU:	ULTHTACBLK
Material:	RPET	Material:	RPET	Material:	RPET
Colour:	Yellow	Colour:	White	Colour:	Black
Slip Rating:	P5	Slip Rating:	P5	Slip Rating:	P5
Size:	300x600mm	Size:	300x600mm	Size:	300x600mm
Thickness:	4.25mm	Thickness:	4.25mm	Thickness:	4.25mm
Luminosity wet:	53.91	Luminosity wet:	73.76	Luminosity wet:	2.8
Luminosity dry:	53.69	Luminosity dry:	75.35	Luminosity dry:	4.18

Luminance Contrast - **Hazard TGSI**

Luminance contrast is measured as the difference between the luminance reflected values (LRV's) of the different surfaces or materials. The methodology for the measurement of Luminance contrast is detailed in AS/NZ 1428.4.1 2009
The Ultimate Hazard Surface Applied Tactile Ground Surface Indicators (TGSI) shall achieve no less than 30% contrast to the substrate to which they will be installed. This is a guide and you should always check all local standards and codes before installation.

Ultimate Tactile

Technical Product Data Sheet

Tactile Ground Surface Indicator (TGSI)

Surface Applied Tile 300mm x 600mm

Recycled Polyethylene Terephthalate (RPET)

Ultimate Directional TGSI

UltimateTactile

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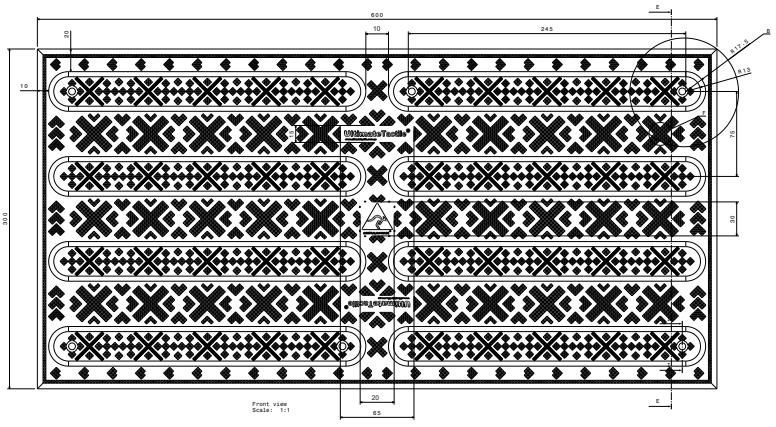
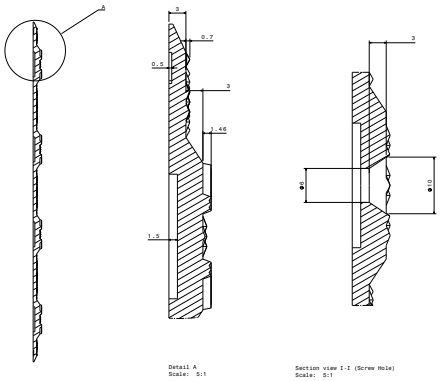
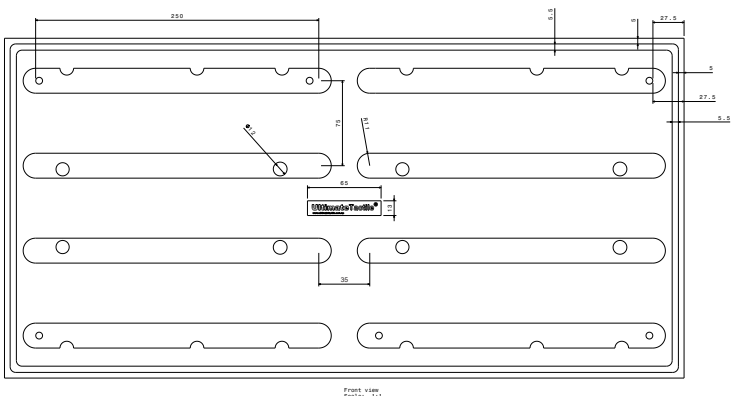
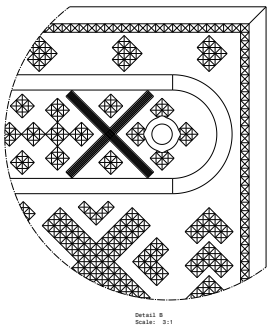
Technical Drawings

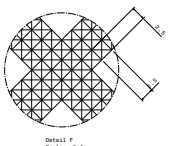
Ultimate Directional Tactile











Ultimate Tactile

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Tactile Ground Surface Indicator (TGSI)
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Product Specification Overview - **Directional TGSI**

Ultimate Directional Surface Applied TGSI

Ultimate Directional Tactile Yellow		Ultimate Directional Tactile White		Ultimate Directional Tactile Black	
SKU:	ULTDTACYEL	SKU:	ULTDTACW	SKU:	ULTDTACBLK
Material:	RPET	Material:	RPET	Material:	RPET
Colour:	Yellow	Colour:	White	Colour:	Black
Slip Rating:	P5	Slip Rating:	P5	Slip Rating:	P5
Size:	300x600mm	Size:	300x600mm	Size:	300x600mm
Thickness:	4.25mm	Thickness:	4.25mm	Thickness:	4.25mm
Luminosity wet:	53.91	Luminosity wet:	73.76	Luminosity wet:	2.8
Luminosity dry:	53.69	Luminosity dry:	75.35	Luminosity dry:	4.18

Luminance Contrast - **Directional TGSI**

Luminance contrast is measured as the difference between the luminance reflected values (LRV's) of the different surfaces or materials. The methodology for the measurement of Luminance contrast is detailed in AS/NZ 1428.4.1 2009
The Ultimate Directional Surface Applied Tactile Ground Surface Indicators (TGSI) shall achieve no less than 30% contrast to the substrate to which they will be installed. This is a guide and you should always check all local standards and codes before installation.

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Disability Discrimination Act (DDA) Requirements and Codes

The DDA is the primary legislation in Australia addressing discrimination against people with disabilities. Within this document you will find useful information regarding installation procedures and guidelines to comply with the DDA standards and codes. The Ultimate Tactile has Vic Roads and Main Roads approval however, the purchaser or installer should always refer to the AS/NZ 1428.4.1:2009 standards as well as local government and council codes and guidelines to ensure they meet the necessary requirements and layout for the individual environment in which the Ultimate Tactile is being installed.

Warranty

The Ultimate Tactile has been designed and manufactured for the sole purpose of pedestrian foot traffic and the warranty covers the product being used in this way, manner and application. The manufacturer's warranty does not cover any use which is in opposition to its "Intended Product Use". The supplied manufacturer's warranty excludes any exposure to vandalism, malicious damage, vehicle exposure, hazardous environment exposure or heavy object movement over them eg. vehicles, shopping trolleys or similar.
Warranty excludes substrate failure and/or adhesive failure if the recommended adhesive is not used. It is not recommended that the Ultimate TGSIs are installed on asphalt.
Should the situation arise that you need to contact us regarding the warranty of your TGSIs, photographic dated evidence must be supplied accompanied by a written explanation of the issue/s. Diarised entries with accompanying photos, showing maintenance schedule and responsible team members are required. Please include all current contact information including the details of the installer's trade experience or expertise in installing TGSIs.

Life of Warranty

Low Pedestrian Foot Traffic – 15 to 20 years
Medium Pedestrian Foot Traffic – 10 to 15 years
High Pedestrian Foot Traffic – 5 to 10 years
UV Guarantee - 5 years

5YR WARRANTY*

Ultimate Tactile

Installation (Overview)

The use and application of Tactiles (TGSI) are covered by numerous pieces of legislation, standards and codes. These govern how and where TGSIs are applied and under which circumstances. It is imperative that the person responsible for installing the Ultimate Tactile is familiar with the standards and codes applicable including AS/NZS 1428.4.1:2009.

The Ultimate Tactile has been designed with the final user in mind. The Ultimate Tactile has 6 fixing points for quick installation to the substrate and the durability of the tile is strengthened by applying an additional adhesive to the bottom of the tile before screwing to the surface. This is also important to stop the tile lifting. We do not recommend installing this product onto new concrete poured within a 4 week period.

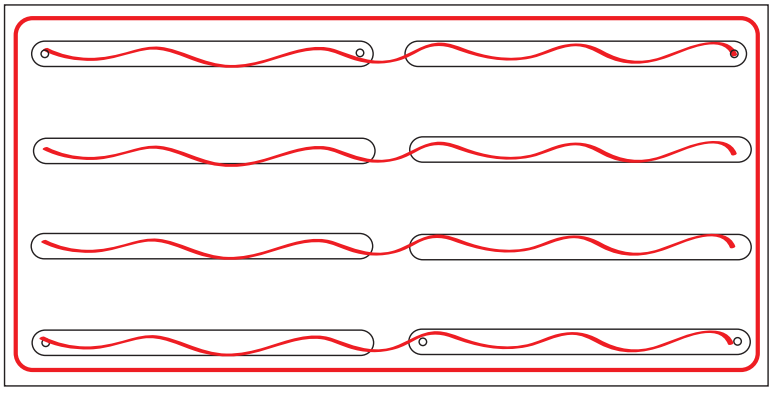
To install the Ultimate Tactile, you will need a 6mm drill bit to install fixings and Selleys Liquid Nails Instant Hold adhesive to bond the TGSI to the substrate. Please note that using an alternative adhesive will void the warranty. After both fixing methods have been applied, the Ultimate Tactile can be trafficable instantly.

Installation (Method)

1. Ensure the substrate is free from all debris and is absolutely dry.

2. Measure the area for the tactiles by finding the centre of the pathway first. Layout the tiles to make sure you are putting them in the correct final position. Once happy with the position of the tactiles, mark the substrate with a pencil so you can put the tactile in the exact same location once you have applied the adhesive.

3. Apply the Selleys Liquid Nails Instant Hold adhesive to the reverse side of the tile.
   - First application is to be thin and 10mm to 15mm from the edge of the perimeter.
   - Second application of pliable adhesive should be applied to the recessed areas on the back of the tile (see diagram below).



= Adhesive location

Ultimate Tactile

Installation (Overview continued)

4. Once you have covered the back of the tile with adhesive, place the tiles back in the marked area. Laying all the tiles down in their final position.

5. Using a hammer drill, drill a hole in the substrate through each hole in the tactile using the 6mm drill bit, deep enough for the plug to go in. (Hint: Always drill further than you need to as dust might fall back into the hole and stop the plug from going all the way in if it's not deep enough).

6. Brush or vacuum away the dust you have created.

7. Put the plastic plug component of the fixing in the drilled hole and lightly tap in with a hammer.

8. Use a drill and the supplied stainless steel fixings to screw through the hole in the tactile and into the plastic plug. Be sure not to over tighten as the screw could pull through the tactile.

9. Put the safety of yourself and others first when installing the Ultimate Tactiles.
   Please be mindful of using and wearing the correct personal protective equipment.

www.ultimateaussiesafety.com.au

Ultimate Tactile

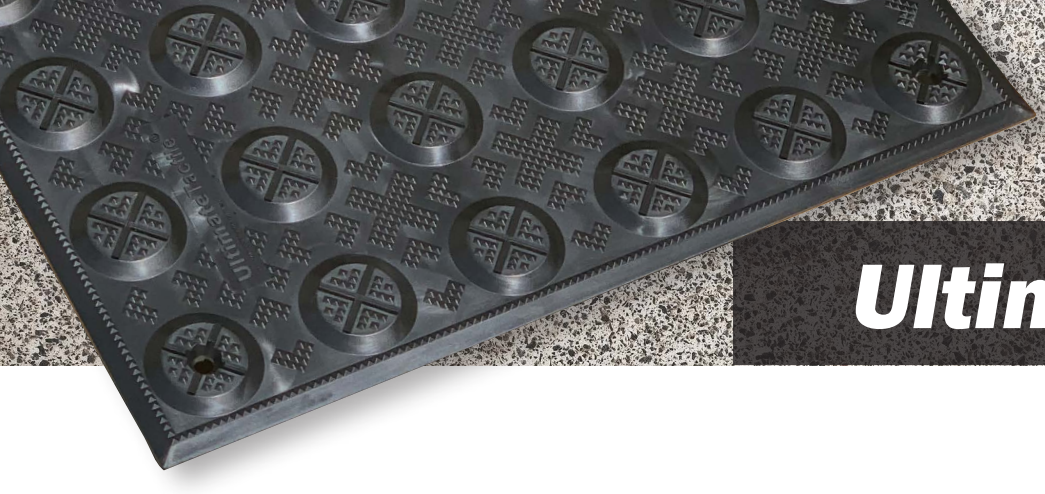
Australian Made

Made from Recycled Material

5 Year UV Guarantee

VIC Roads & Main Roads approved

P5 Slip Rating



UltimateTactile

UltimateTactile

rPET

5YR WARRANTY*

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