TGSI PTY LTD
PRODUCTS & SERVICES 2017

COMPREHENSIVE RANGE OF TACTILE GROUND SURFACE INDICATORS, STAIR NOSINGS, NON-SLIP SAFETY TAPES, SELF ADHESIVE REFLECTIVE TAPES, SKATE DETERRENTS, BUILDING ENTRANCE MAT, DOUBLE SIDED ADHESIVE TAPES.

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Discrete tactile ground surface indicators

Endura
Material: Solid 316L marine grade stainless steel
Dimensions: 35mm diameter X 4.5mm height
Finish: Machine
Underside stem: 4mm, 11mm, 25mm long stem, flat based, custom.
Substrates: All, indoor and outdoor.
Luminous refectionance value (mean): 19.52 (dry), 17.69 (wet).
Slip resistance rating: R13/ W (P4) slip resistance
Note: High class finish, very high durability.

Endura BR
Material: Solid DZR grade brass
Dimensions: 35mm diameter X 4.5mm height
Finish: Machine
Underside: 11mm stem, flat base, or custom
Substrate: All, indoor and outdoor.
Luminous refectionance value (mean): 33.27 (dry), 26.18 (wet).
Slip resistance rating: R13/ W (P4) slip resistance
Note: LVR values measured with brass in new condition.

Multi-Tac
Material: Solid 316 grade stainless steel, DZR grade brass.
Dimensions: 35mm diameter X 5.0mm height
Finish: Electro. polished, machine.
Underside: Incorporates hole in centre for screw in fixation.
Substrate: Carpet tile, direct stick carpet, vinyl, woods, others. Removability option.
Slip resistance rating: R11, P5
Note: Stainless steel model supplied with screw.

ENDURA BLK:
Dimensions: 35mm diameter X 4.5mm height
Metal types: Solid marine grade 316 grade stainless steel
Finish: Black surface treated finish.
Underside: 11mm stem, flat underside, custom.
Type: Hazard
Location: Indoor and outdoor
Suitable substrates: Hard surfaces: Concrete, ceramics, stone, woods, plastics, steel, vinyl, rubber, glass.
Luminous refectionance value (mean): 3.21 (dry), 2.87 (wet).
Slip resistance rating: P5.
Discrete tactile ground surface indicators

**Grit-Tac TGS1**
Material: 316 grade stainless steel or DZR Brass. Centre infill: resin bonded grit (aluminium oxide or carborundum). Infill colors: black or yellow.
Dimensions: 35mm diameter X 5.0mm height
Finish: machine.
Type: Hazard, ribbed sided, smooth sided
Underside: 11mm stem, flat, custom
Substrate: All, indoor, outdoor.
Slip resistance rating: P5.
Luminous reflectance values (mean): Yellow infill: 27.33 (dry), 25.33 (wet), Black infill: 3.79 (dry), 3.39 (wet).
Notes: Excellent durability. Provides good contrasting options.

**DIR ST3**
Material: Solid 316 grade stainless steel.
Dimensions: 35mm diameter X 4.8mm height X 288mm length
Finish: Stainless steel lustre, or black surface finish.
Underside: 3 X 15mm long stems, or custom.
Substrate: All. Outdoor, indoor.
Slip resistance rating: P5.
Note: Stemmed based directional TGSI, high durability, drilling templates available. From $12.00/pce.
Discrete tactile ground surface indicators

PFSA POLYURETHANE HAZARD AND DIRECTIONAL:
Dimensions: 35mm diameter X 5.0mm height
Material: High grade polyurethane
Type: Hazard (individual or bladed shaft type), directional (bladed shaft)
Location: Outdoor, indoor
Suitable substrates: Concrete, bitumen, carpet, vinyl, ceramics, stones, woods, plastics, steel.
Underside: 12mm, 25mm stem, bladed system (600mm strip).
Slip resistance rating: R12
Luminous reflectance values (mean, dry): Black: 5, Yellow: 68, Terracotta: 12, Grey: 17, Blue: 16
Fixation: Generally non adhesive fixation (drill and tap in).
Colors: terracotta, grey, yellow, black, beige, blue, ivory, silver, colbolt.
Notes: Australian made. UV stable, hard wearing proven performance, non brittle, non shape deformation, chemical resistant. Economical tactile indicator. Beware of low quality look-a-like products. Compatable with carpet base plate system.
ENDURA BL-M:
Dimensions: 35mm diameter X 4.5mm height
Metal types: Solid marine grade 316 grade stainless steel
Finish: Grey matte surface treated finish
Type: Hazard
Location: Indoor and outdoor
Suitable substrates: Concrete, bitumen, ceramics, stones, woods, plastics, steel, vinyl, rubber, glass.
Underside: 11mm stem, 25mm stem, custom size stem, or flat underside.
Slip resistance rating: P5

DIR SF3
Material: Solid 316 grade stainless steel or DZR brass
Dimensions: 35mm diameter X 4.0mm height X 285mm length
Finish: Machine
Underside: Flat, incorporates 3 holes for screw in fixation
Substrate: All, indoor and outdoor.
Luminous reflectance value (mean): Stainless steel model: 19.19 (dry), 17.56 (wet).
Notes: Versatile screw in fixation. Made in Australia.
Discrete tactile ground surface indicators

CARPET BASE PLATE SYSTEM
Dimensions: 300 X 300mm interconnecting base plates
Tactile type: Discrete stainless steel or discrete polyurethane (range of colors).
Location: Indoor
Suitable substrates: Carpet with underlay.
Underside: Flat underside
Installation: Base plate fits in between base floor and carpet. No drilling into underlying substrate required (Carpet needs to be hole punched to allow projections of base plate to fit flush with upper surface of carpet). Fixation of discrete TGSI's to base plate: Discrete hazard stainless steel, and polyurethane TGSI's are fixed to base plate protrusions via pressure fit method (adhesive not required).
Sizes: Various protrusion heights to cater for different underlay thicknesses.

GRIT-TAC BR
Dimensions: 35mm diameter X 4.5mm height
Metal types: DZR brass, with black grit centre.
Centre infill: Heavy duty/ high durability bonded carborundum grain infill. Black color.
Finish: Machine
Type: Hazard
Sides: Ribbed, smooth
Location: Outdoor, indoor
Suitable substrates: Hard surfaces: Concrete, ceramics, stones, woods, plastics, steel, vinyl, rubber.
Underside: 11mm-12mm stem, or flat underside
Luminous reflectance values (mean): Black infill: 4.46 (dry), 4.20 (wet)
Discrete tactile ground surface indicators

**PFSA Stainless steel with fixing plug:**
Dimensions: 35mm diameter X 4.5mm height
Metal types: Solid 316 grade stainless steel
Finish: Electro. polished
Top face: Stainless steel with concentric circles, bonded grit infill (black)
Type: Hazard
Location: Indoor and outdoor
Suitable substrates: Concrete, bitumen, stones, woods, carpet tile/ concrete, vinyl/ concrete
Underside: 12mm stem with fixing plug or 25mm stem with fixing plug.
Slip resistance rating: R13
Notes: Non adhesive fixation.

![PFSA Stainless steel with fixing plug](image)

**Multi-Tac Copper/ or flat base (epoxy fix).**
Material: Solid copper
Dimensions: 35mm diameter X 5.0mm height
Finish: machine.
Underside: Incorporates hole in centre for screw in fixation, or flat base.
Luminous reflectance value (mean): 15.41 (dry), 19.23 (wet).
Substrate: Carpet tile, direct stick carpet, vinyl, woods, others. Removability option.

![Multi-Tac Copper/ or flat base (epoxy fix)](image)
Integrated tactile ground surface indicators

**Premium Grade Polyurethane, pre-applied adhesive backing:**

**Dimensions:** 300 X 300mm X 6.5mm (1.8mm base).

**Material:** Highest grade polyurethane available on the market for foot traffic application. UV stabilised.

**Adhesive type:** Pre-applied premium grade butyl rubber adhesive backing (solvent free), 1mm thick (for superior adhesion on all surfaces), siliconised release paper. Primer available if required.

**Colors:** Black, cream, mid/light grey, terracotta, safety yellow, blue, custom made to order.

**Type:** Hazard and directional. **Location:** Exterior and interior.

**Suitable substrates:** Concrete, asphalt, ceramics, stones, woods, carpet, plastics, steel, glass.

**Installation:** Install direct on existing substrate.

**Slip resistance rating:** R12, X


**Notes:** Australian Made and designed to withstand the harsh Australian conditions, quick/cost effective installation, UV stabilised, color fast, hard wearing, outstanding resistance to tear propagation, fungus resistant, strong adhesion. 10 year material guarantee. Manufactured according to AS/NZS ISO 9001:2000 standard. PU material conforms to the FDA food contact regulations as described in book 21, section 177.2600 for wet food contact applications.
**Integrated tactile ground surface indicators**

**Endura integrated TGSI plate**
Dimensions: 300 X 600mm X 6.5mm (1.8mm base), Custom sizes available.
Material: 316L Stainless steel, DZR Brass, black surface finish (PVD), custom
Colors: Stainless steel lustre, black surface treated stainless steel, brass lustre, custom inserts (eg. Grit-Tac) and base plate type.
Type: Hazard, directional.
Location: Indoor, outdoor
Suitable substrates: Concrete, asphalt, ceramics, stones, woods, carpet, plastics, steel, aluminium.
Installation: Install direct on existing substrate.
Slip resistance rating: R13, V (applies to hazard type).
Luminous reflectance value (mean): Stainless steel: 23.53 (dry), 21.71 (wet), Black finish: 4.05 (dry), 3.45 (wet), Brass: 33.21 (dry), 26.32 (wet).
Integrated tactile ground surface indicators

Ceramic TGSI tiles
Colors: Ivory, yellow, charcoal, grey
Dimensions: 300 X 300 X 10mm (10mm base). 5mm tactile projections.
Colors: Yellow, ivory, grey, charcoal.
Type: Hazard and directional
Location: Outdoor, indoor
Suitable substrates: Concrete, bitumen, pavers, ceramics, others
Slip resistance rating: W, R12
Luminous reflectance values (mean): Yellow: 32.57 (dry), 32.44 (wet), Ivory: 44.48 (dry), 42.61 (wet), Grey: 18.66 (dry), 17.38 (wet), Charcoal: 10.60 (dry), 8.31 (wet).
Installation: Inset installation, provide 13-15mm set down, fix with regular tile adhesive, 2-3mm spacings between tiles (apply grout in spacings).
High Flexibility Concrete Polymer
Colors: Yellow, charcoal, ivory, terracotta, custom
Material: Fibre reinforced polymer concrete
Dimensions: 300mm X 600mm X 2.0mm
Type: Hazard and directional
Substrate: Concrete, asphalt/ bitumen, steel, brick pavers. Outdoor.
Notes: R13 slip rated, economical, long service life, abrasive resistant, Good alternative to heavy concrete paver tactile indicators.

Granite TGSI Pavers:
Dimension: 300mm X 300mm X 35mm (35mm base). 5mm tactile projections.
Colors: Ivory
Type: Hazard and directional tactile pavers.
Location: Indoor, Outdoor
Slip Resistance: W, R13
Suitable substrate: Inset installation.
Notes: Solid natural granite tactile ground surface indicator pavers. Weight: 8.5Kg/ paver
Super Grip Industrial Fiberglass (FRP) Stair Nosings:

Material: Fibre reinforced polymer (FRP), aluminium oxide grit coated. Resin Bonded.

Dimensions: 3.2mm wall thickness. Note: dimensions do not include grit covering.
- 70mm (top face) X 30mm (side face)
- 70mm (top face) X 9mm (side face)
- 100mm (top face) X 25mm (side face)

Front edge: 3.2mm decreasing to 2mm tapered front edge (tapered edge begins 10mm from front edge). Note: dimensions do not include grit covering.

Color: High visibility yellow, black, black and yellow warning stripe. Custom.

Underside: flat underside

Weight: 0.69 Kg/ LM (70mm top face width), 0.92 Kg/ LM (100mm top face width)

Length: 3.0 meters, Nose: 90 degree angle

Fixation: Adhesive, tek screw, screw, bolt, combination. Compatible adhesive available.

Grit grade: Medium/ coarse (industrial grade), also Slim-line fine grit available.

Slip resistance rating: P5.

Luminous reflectance values (mean): Yellow: 25.58 (dry), 21.08 (wet), Black: 2.19 (dry), 1.52 (wet).

Note: High slip resistance, UV stable, water resistant, hydrocarbon resistant, fire resistant, light weight, outstanding durability, low maintenance, economical. Superior life span to grit coated galvanised angle. Will not rust, flake, or bend out of shape.

Application: Industrial facilities, Industrial marine applications, airports, recreational facilities/parks, civil applications requiring heavy duty anti slip solution. Fast installation.

Pricing: For supply of 10+ X 3.0LM lengths. Pricing: 70mm X 9mm: $14.00 + GST/LM, 70mm X 30mm: $15.00 + GST/LM, 100mm X 25mm: $18.00/ + GST/LM (applies to color black or yellow-70mm X 9mm, black (medium grit), yellow (medium/ coarse grit)
70mm X 30mm, FRP stair nosings, medium/ coarse grit

100mm X 25mm, FRP stair nosings, yellow and black stripe
Stair nosings

Step Keeper:
Material: Anodised aluminium (10 Micron), 6063 T5
Dimensions: 71mm X 34mm X 2.5mm or 71mm X 9mm X 2.5mm. Top face channel to accommodate polymer strip insert.
Height: Total height from base of aluminium profile to top edge of insert strip is 5.5mm. For Series 2R insert strip total height is 5.0mm (currently available in black color only).
Insert: PVC strip, 50mm wide, durable, UV stable, color fast.
Insert colors: Black, grey, yellow, custom.
Nose: 90 degree angle.
Location: Exterior and interior.
Lengths: 3.5 meter or cut to size.
Slip resistance: V (P5), R11 (medium).
Fixation: Combination adhesive and screw fix. Incorporates counter sunk holes at regular intervals for screw-in fixation.
Note: Strong sturdy construction, durable. Provides combination of quality and affordability. Includes high adhesive power double sided tape for insert fixation.

Series 2 insert (UV stabilised PVC):

Pre-drilled countersunk holes:
Safety Step 50:
Material: Anodised aluminium (10 Micron), 6063 T5. Tapered front edge, pre-drilled countersunk holes.
Dimensions: 2.5mm (wall thickness), 71mm (top face) X 34mm (side face), 71mm (top face) X 9mm (side face)
Height: Total height from base of aluminium profile to top edge of insert strip is 3.5mm.
Top face: Top face channel to accommodate aluminium oxide color contrasting non slip insert.
Insert: Heavy duty, long service life, 50mm wide Aluminium oxide/ silicon carbide strip. Self adhesive.
Insert colors: Black, grey, yellow, blue, luminescent (glow in dark), red, clear, custom.
Underside: flat underside.
Nose: 90 degree angle.
Location: Exterior and interior applications.
Fixation: Surface mounted. Mechanical, adhesive or combination. Incorporates pre-drilled countersunk holes spaced at regular intervals for screw-in fixation.
Length: 3.5 meter or cut to size.
Slip resistance rating: R13, P5. CSIRO test report available on request.
Luminous reflectance values (mean): Yellow: 38.11 (dry), 38.84 (wet). Black: 2.00 (dry), 1.97 (wet), Grey: 16.10 (dry), 15.99 (wet), Red: 8.57 (dry), 7.98 (wet), Luminescent: 55.90 (dry), 52.81 (wet).
Notes: Strong sturdy construction, durable, high slip resistance. Provides quality solution at economical price. Heavy duty insert provides years of service. Easy maintenance and insert replacement. Ideal for use in areas requiring quality anti slip solution, particularly areas exposed to outdoor elements. Install direct on existing substrate.
Special: Purchase 15+ X 3.5LM lengths (9mm X 71mm model), Pricing: $15.50 + GST/ LM (includes supply of insert strip).
Stair nosings

ARCH-MAX SERIES:

**Material:** Anodised aluminium (10 Micron), 6063 T5, bonded carborundum/ aluminium oxide strips.

**Dimensions:** 2.0mm (wall thickness). 98mm (top face) X 37mm (side face/ bull nose)

**Height:** Total height from base of aluminium profile to top most surface is 6.0mm.

**Length:** Supplied in 3.5LM lengths

**Colors:** Natural anodised, custom. Insert: safety yellow, custom.

**Underside:** flat underside.

**Nose:** Bullnose.

**Location:** Interior and exterior applications.

**Fixation:** Surface mounted. Mechanical, adhesive or combination fixation.

**Length:** 3.5 meter lengths

**Notes:** Tapered front edge. Heavy duty. Custom design/ models available on negotiation.

**Pricing:** From: $30.00 + GST/ LM
RAPID TREAD 65:

Material: Anodised aluminium (10 Micron), 6063 T5. Tapered front edge
Dimensions: 2.5mm (wall thickness). 65mm (top face) X 9mm (side face)
Height: Total height from base of aluminium profile to top edge of profile is 3.5mm.
Colors: Natural anodised, gold anodised, black
Slip resistance rating: X medium (P3), R10 (high).
Underside: flat underside.
Nose: 90 degree angle.
Location: Interior applications, or dry stair tread applications.
Fixation: Surface mounted. Mechanical, adhesive or combination.
Length: 3.5 meter or cut to size.
Notes: Fast installation, decor pleasing cost efficient option.
PANTHER-50 (Recessed mounted):

**Material:** Anodised aluminium (10 Micron), 6063 T5, bonded carborundum/ aluminium oxide infill.

**Dimensions:** 2.0mm (wall thickness). 54mm (top face) X 10mm (thickness). For bulk order requirements custom size models can be supplied on negotiation.

**Colors:** Natural anodised. Infill: black, safety yellow, terracotta, custom.

**Underside:** flat underside.

**Location:** Interior and exterior applications.

**Fixation:** Recessed mounted. Mechanical, adhesive or combination fixation.

**Slip resistance rating:** P5.

**Length:** Supplied in 3.5 meter lengths (current stock).

**Notes:** High quality recessed safety stair tread nosing.
RB STEP ACE:

**Material:** High wear resistant PVC, or silicone rubber.

**Dimensions:** 68mm (top face) X 8.5mm (side face). Tapered front edge.

**Colors:** Black, or custom manufactured to order (MOQ apply)

**Underside:** Flat underside.

**Fixation:** Adhesive fix.

**Slip resistance:** X high (P3).

**Location:** Interior/ dry stair tread applications.

**Installation:** Surface mounted. Install directly on existing substrate, or cut along tapered front edge to butt with floor surface (vinyl, carpet etc).

**Substrates:** Strong bonding to most materials, including: ceramic tiles, concrete, stone, woods, vinyls, metal.

**Length:** Stocked as 20m roll. MOQ: 20+ meters.

**Pricing:** $15.00 + GST/LM
Anti-slip tapes

Aluminium Oxide/ Silicone Carbide anti-slip tape:

Material: Bonded aluminium oxide/ silicone carbide grain material. PVC base material. Self adhesive pressure sensitive acrylic adhesive (superior to rubber based adhesive)

Dimensions: 20m long rolls.
- Black: 25mm, 50mm, 100mm, 150mm, 300mm, 500mm wide rolls, custom
- Yellow: 25mm, 50mm, 100mm, 150mm, 300mm, 500mm, 800mm, custom
- Yellow and black stripe: 50mm, 100mm, 150mm, 300mm, custom
- Clear: 50mm, 100mm.
- Other colors: Red/ white stripe, luminescent/ black stripe, grey, blue, white, red, orange, brown, luminescent (glow in dark), fluorescent yellow, fluorescent red, 50mm, some 100mm, custom.
- Custom widths and shapes available for bulk quantity orders only.

Grit grades: Medium (standard), Coarse (heavy duty)

Physical properties: Water resistant, oil resistant, UV stable, color fast, strong and durable adhesion to most substrates. High slip resistance. Long service durability in both interior and exterior application. Properties:
- Tensile strength: 6.0Kg/ 25mm
- Elongation at break: 25%
- Temperature range: -5C to 50C
- Adhesion to steel: 640g/ cm
- Product thickness (medium grit): 0.8mm +- 0.2mm

Colors: See image on next page.

Slip resistance rating: P5.

LVR (mean): Refer to website.


Common uses: Grip for Steps, walk ways, ramps, industrial equipment, platforms, slippery tiles and surfaces, Constrating strip for steps, vehicle running boards, boats, factories.

Substrates: Concrete, ceramics, stone, woods, steel, aluminium, steel, vinyl, plastics, fibreglass.

Medium grit:

Coarse grit:
ALUMINIUM OXIDE/ SILICON CARBIDE ANTI-SLIP TAPE:

- Red/ White
- Black/ Yellow
- Black/ Luminous
- Fluoro. Yellow
- Yellow
- Fluoro. Red
- Red
- Orange
- Green
- Brown
- Blue
- Medium Grit
- Coarse Grit
- Grey
- Black
- Luminous-Cent
- White
Conformable (press on) aluminium based anti-slip tape (for checker plates and bending structures/surfaces):

**Material:** Bonded aluminium oxide/silicone carbide grain material. Conformable aluminium base material, Self adhesive pressure sensitive acrylic adhesive.

**Dimensions:** All 20 meter long rolls. Widths:
- Black: 50mm, 100mm, 150mm, 300mm, custom
- Yellow: 50mm, 100mm, custom
- Yellow and black stripe: 50mm, 100mm, 150mm, custom
- Other colors: custom

**Grit grades:** Medium (standard)

**Physical properties:** Conforms/presses into shape with textured (eg. checker plate) and bending/rounded structures (eg. ladder rungs etc.). Water resistant, oil resistant, UV stable, color fast, strong and durable adhesion to most substrates

**Colors:** Yellow, black, yellow and black hazard stripe.

**Application:** Used on checker plate flooring/steps/ramp, ladder rungs, curved steps/machinery, fork lift side steps. Initial application: Apply to clean (use acetone were possible), dust free and dry surfaces. For best performance use an edge sealing compound on trafficable edges.

**Substrates:** Aluminium, steel, fibreglass, sealed wood, sealed concrete, plastics, ceramics, vinyl, fibreglass etc. Use on non porous surfaces, otherwise apply sealer to porous substrates.
PVC Embossed (non abrasive) self adhesive tape:

**Material:** PVC base material with embossed texture. Self adhesive pressure sensitive acrylic adhesive with siliconised release liner.

**Dimensions:** All 20 meter long rolls. Widths:
- **Black:** 50mm, 100mm, custom
- **Clear:** 50mm, 100mm, 150mm, 300mm, 500mm, custom
- **Grey:** 50mm, disc, custom
- **White:** 50mm, 100mm, 380mm, custom
- **Other Colors:** custom, 300mm discs.

**Shape:** Strip, disk shapes, custom shapes.

**Embossed surface:** Medium

**Physical properties:** Non grit surface, durable, color fast, UV stable. Easy to clean surface.

**Slip resistance rating:** P2

**Application:** Particular interior floor covering applications, decorative/ protective/ covering veneer for smooth flat surfaces (e.g. aluminium, steel, wood, plastics, ceramics, fibreglass, painted surfaces). Horizontal or vertical surfaces. Vehicle protective covering (e.g. caravans etc).

**Substrates:** Ceramic tiles, fibreglass, smooth stone, vinyl, plastics, steel, aluminium, sealed wood.

**Initial application:** Apply on clean dry, dust free surfaces.
Range of industrial grade reflective tapes to suit all applications, including: Vehicle conspicuity, workplace safety, mine sites, awareness of civil hazards, industrial machinery and equipment, bollards, traffic and advertising signs, recreational vehicles and equipment, correctional facilities, PPE, building safety, pedestrian safety, hazard identification, protection/visibility of infrastructure, public transport. International delivery service

Class 1W High intensity grade fluorescent yellow/green reflective tape:

**Film Material:** Thick film diamond grade, class 1W, full cube retroreflective film. Provides very high vehicle/object visibility 24 hours a day.

**Adhesive:** Heavy duty self adhesive, permanent pressure sensitive.

**Liner:** Siliconised release paper

**Dimensions:** 23 and 46 meter long rolls. Widths: 20mm, 25mm, 50mm, 75mm, 100mm, custom.

**Color:** Fluorescent yellow green, fluorescent orange.

**Coefficients of retroreflection:** -4 degree entrance angle: 0.2 degrees = 460 (cd/lux/m²), 0.5 degrees = 340, 1.0 degrees = 96. 30 degree entrance angle: 0.2 degrees = 180, 0.5 degrees = 120, 1.0 degrees = 36. Measured in accordance with ASTM E-810.

**Daytime color specification limits:** Four pairs of chromaticity coordinates (CIE 1931): X: 0.387, 0.369, 0.428, 0.460. Y: 0.610, 0.546, 0.496, 0.540. Daytime luminance limit (y%): minimum: 60

**Substrates:** Clean, smooth, rigid surfaces.

**Location:** Exterior (80% retroreflection retention for 1-7 years, 70% % for 8-12 years)

**Application:** Vehicle Conspicuity, industrial machinery, mine sites, traffic control signs, workplace safety, civil applications, public transport, commercial signs, personal PPE.

**Properties:** Strong adhesion, retained coefficient of retroreflection, color fastness, non shrinkage, impact resistant, water resistant, UV stable, non tearable. 25mm and 50mm width rolls are factory edge sealed.

**Note:** Conforms with ASTM D4956 and AS/NZS 1906.1:2007. Fluorescent reflective tape provides higher visibility than non-fluorescent reflective tape.

100mm X 46m roll Class 1W Australian Standard Compliant reflective tape, edge sealed:
Reflective tape: Class 1

Class 1 high intensity grade prismatic technology reflective tape (type 1):

**Film Material:** Thick film polyester. Prismatic technology.
**Adhesive:** Heavy duty self adhesive, permanent pressure sensitive.
**Liner:** Siliconised release paper

**Dimensions:** 46 meter long rolls. Widths: 50mm, 100mm, 300mm, custom processed to order widths. Fast turn around custom processing (approx. 7 days).

**Color:** Red, yellow, white, green, blue, fluro. yellow, fluro orange. Chevron (LH and RH): yellow/ black stripe, red/ white stripe, red/ yellow stripe

**Substrates:** Clean, smooth, rigid surfaces, non porous.

**Location:** Exterior, conforms to AS/NZS 1906.1:2007

**Application:** Durable traffic control signs, vehicle/ heavy truck conspicuity/ marker, industrial machinery, industrial sites, delineators, work place safety, civil applications, public transport.

**Properties:** Strong adhesion, retained coefficient of retroreflection, color fastness, non shrinkage, impact resistant, water resistant, UV stable, non tearable. Good flexability, suitable for wrapping around pipes/ poles/ bollards.

**Note:** Conforms to AS/NZS 1906.1:2007.
Reflective tape: Class 1
Reflective tape: general purpose

Exterior commercial grade reflective tape:

**Film material:** PET with glass bead technology.

**Adhesive:** Heavy duty self adhesive, permanent pressure sensitive acrylic

**Liner:** Siliconised release paper

**Dimensions:** length: 46LM long, with some 20LM available. Widths: Stocked widths (see online store),

**Custom processed widths:** 25mm- 1200mm, fast turn around on custom processing.

**Color:** Red, yellow, white, green, silver, blue.

**Chevron (LH and RH):** Yellow and black stripe, red and white stripe, red and yellow stripe.

**Physical properties:** Water resistant, UV stable, color fast, strong adhesion, untearable, computer cutting compatible. Glass bead technology that withstands rough handling for common place use.

**Substrates:** Smooth surfaces

**Location:** Exterior and interior

**Durability:** Exterior durability 3-5 years

**Application:** Car park bollards, trucks, trailers, industrial machines, construction sites, work place safety, correctional facilities, awareness of civil hazards, car parks, recreational facilities, general purpose use.

**Note:** Withstands rough handling for common place use.
Reflective tape: general purpose
Reflective tape: glow in dark

Luminescent (Glow in dark) reflective tape:

**Adhesive:** Heavy duty self adhesive, permanent pressure sensitive acrylic

**Liner:** Siliconised release paper

**Glow Duration:** 10 hours glow in dark duration after sunlight/ light exposure

**Dimensions:**
- 48mm X 45m, 72mm X 45m, 300mm X 45m.
- 25mm X 20m, 50mm X 20m.

**Physical properties:** Water resistant, UV stable, strong adhesion, untearable, computer cutting compatible.

**Substrates:** Smooth surfaces

**Location:** Exterior and interior

**Application:** Use for pedestrian guidance and warning cue in dark or dim light areas. Ideal for use in step/ stair areas, hazardous wall/ obstacle and overhanging hazard areas. Ships, underground facilities.
FRP industrial floor gratings

High Corrosion resistance, fire retardant, one piece structured panels, light weight/ high load strength, slip resistant, non conductive, non magnetic, long life/ zero maintenance industrial FRP gratings.

Ideal for use in industrial manufacturing plants, water treatment facilities, chemical processing plants, food manufacturing facilities, electronics industries, recreational facilities/ vehicles.

Common uses include: Non slip safety floor, step treads, scaffolding, foot bridge, industrial operation platforms, vertical barrier/ screen.

SAFE GRID MK2

Mesh dimensions:
Type A (light duty): 38mm X 38mm X 25mm height X 6.5mm thickness.
Type B (medium duty): 38mm X 38mm X 30mm height X 6.5mm thickness
Type C (heavy duty): 50mm X 50mm X 50mm height X 8.0mm thickness.
Custom available.

Weight: Type A: 12 Kg/ SQM. Type B: 14.4Kg/ SQM. Type C: 23.7Kg/ SQM
Panel sizes: Various sizes available.
Surface profile: Concave, gritted, custom.
Load: Based on panel 0.9m X 1.0m.
Type A (light duty): 12.1mm deflection/ 300 KG load, breaking point: 1.90 Tonne.
Type B (medium duty): 7.6mm deflection/ 300 KG load, breaking point: 2.6 Tonne.
Type C (heavy duty): 2.2mm deflection/ 300 KG load, breaking point: 5.8 tonne.

Material: FRP, Vinyl ester resin or Isophalic polyester
Colors: Yellow, red, grey, green, custom

Flame spread rating ASTM E-84: Option: Class 1, 10 or less. Class 1, 25 or less.
Notes: Very high corrosion resistance, fire retardant. 316 stainless steel fittings fittings available for all models.
Minimum order quantity: 20 SQM.
SAFE GRID MK2 Heavy Duty (Type C)

SAFE GRID MK 2 Light Duty, Concave top profile, with stainless steel fixing fitting.
Skateboard deterrents

Range of skateboard deterrents to stop skaters from skating on pathways and building features. Protects building and public assets from damage caused by skaters, also prevents noise pollution and nuisance congregations of skaters in troublesome skateboard hotspot.

Polyurethane anti skate strips for pathways:

Material: Polyurethane, UV stable, high abrasion resistance
Dimensions: 600mm long, 22mm wide, 4.5mm height.
Color: Yellow, terracotta, black, beige, charcoal
Underside: bladed shaft
Substrates: Concrete, bitumen, pavers, others
Location: Exterior
Installation: Saw cut installation
Application: Low cost skate deterrent for public environments.
Note: Will deter skateboarders whilst not creating trip a hazard to the general public. High durability, UV stable, high slip resistance, high abrasion resistance.

Vigilante skate stop:

Material: Solid 316 grade stainless steel, brass, custom
Dimensions: 30mm Width X 15mm height
Color: Stainless steel lustre
Underside: 15mm long X 10mm wide stem.
Substrates: All
Location: Exterior, interior
Installation: Via drill and adhesive fix
Application: Prevents skateboarders from from causing damage and public nuisance via rail sliding and grinding on building features and public ammenities.
Note: High class finish, very high durability, one piece forged construction.
Skate Arrest 30: Stainless steel skate deterrent:

Material: Solid 316 grade stainless steel
Dimensions (above surface): 30mm wide X 20mm height
Color: Stainless steel lustre
Underside: 18mm long X 10mm wide stem
Substrates: All
Location: Exterior
Installation: Via drill and adhesive fix
Application: Prevents skateboarders from causing damage and public nuisance via rail sliding and grinding on building features and public amenities.
Note: High class finish, very high durability, one piece forged construction.

Wedged skate stopper:

Material: Solid 316 grade stainless steel, brass, custom
Dimensions: 70mm X 70mm X 5mm, custom
Colour: Stainless steel lustre
Substrates: All
Location: Exterior, interior
Installation: Saw cut installation, or install as concrete sets.
Application: Prevents skateboarders from causing damage and public nuisance via rail sliding and grinding on building features and public amenities.
Note: Install on chamfered or non-chamfered edges. One piece construction.
Double sided adhesive tapes

Premium grade double sided butyl tape:
Adhesive: High water resistant butyl rubber adhesive coated on polyethylene net for dimensional stability. Conforms to rough, textured surfaces.
Liner: Siliconised release liner
Dimensions: 15 meter long rolls. Widths: 100mm, 320mm, custom.
Color: Black
Physical properties: High water resistance, UV stable, strong adhesion.
Durability: up to 20 years +
Substrates: Plastics, metals, ceramics, concrete, stone, brick, glass, wood, vinyl, bitumen, most substrates
Application: Joining, sealing, water proofing and vibration absorption. Useful for joining low energy surfaces (eg. PE)
  • Fixing and sealing joints for waterproofing in construction and civil engineering
  • Joining and sealing membranes
  • Holding and sealing sisa\l\ation in the HEVAC industry
  • Mounting of light weight signage to textured surfaces (eg. rendered concrete etc.)
  • Joining/ mounting Corex/ Corflute
  • Vibration isolation of audio parts.
Technical details:
  • Tape thickness: 1.00mm
  • Breaking load: 39 N/cm
  • Adhesion to: steel: 11.7 N/cm, PE plate: 15.3 N/cm, glass: 15.3 N/cm, EPDM sheet: 17.7 N/cm, plywood: 10.2 N/cm
  • Service temperature: -10\C to 100\C
  • Storage temp: 15\C-25\C
Note: Most advanced butyl adhesive available on the market, easy application.
Double sided adhesive tapes

High strength PPSA double sided adhesive tape:
Surface film material: PET (clear)
Adhesive: Permanent pressure sensitive acrylic (clear).
Liner: Siliconised release paper, red color.
Dimensions: 48mm wide X 20m long, 25mm wide X 20m long.
Color: Clear
Physical properties: Water resistant, UV stable, strong adhesion, excellent durability.
Substrates: Smooth surfaces, metals, plastics, wood, painted surfaces, ceramics.
Application: Component assembly, construction, commercial displays, craft
Note: Used to bond two materials together in quick fashion. Instant high strength bonding.

Super strength solid acrylic VHB double sided adhesive tape:
Material: Solid acrylic, soft texture for extra bite.
Color: Translucent or clear (glass/ acrylic applications)
Dimensions: 24mm wide X 33m long. Thickness: 2.0mm (available on online store).
Physical properties: High performance for the most demanding situation. Suitable for outdoor applications. See technical details below.
Applications: This product is the pinnacle in double sided tapes. Commonly used in construction, sheet metal fabrication, and train, truck and bus manufacture, to replace or reduce the use of mechanical fasteners. Highly usefull for fixing posters etc. to walls.
Note: Custom processing available for bulk order quantities
Continued next page.
Double sided adhesive tapes

Data sheet specs:

DESCRIPTION: High performance pressure sensitive solid acrylic bonding system designed to provide a superior bond to most substrates. Colour: Translucent.

PERFORMANCE FEATURES: Offers users a consistent lasting bond to most surfaces along with excellent weather resistance. It does not absorb moisture, withstands thermal movement and possesses sound deadening and anti-vibration properties. Because translucent colour the tape blends into the background it is adhered to. Meets the standards required by the automotive manufacturers on petrol and oil contact. Resistant to dilute acids/alkalis and has excellent UV resistance. Passes UL 94HB Horizontal Burn Test & is compatible with most popular grades of Urethane, Silicone, solvent release butyl & all water based gun-grade sealants but will not adhere to cured silicone & urethane based sealants.

TECHNICAL SPECIFICATIONS (applies to translucent model):
Adhesion:
90° - 24hr peel - 2,626gm/cm
500 hour static shear 0.15Kg/cm²
Dynamic shear - 6.3Kg/cm²
72OC Static shear - 0.4Kg/cm(150hrs with no movement)
Density: - 1,000Kg/m³
Tensile Strength: - >14.06Kgs/cm²
Elongation: - >500%
Cold Slam Test - Pass at -30oC
Thermal Conductivity - 0.2 K
Service Temperature: - -40OC to +120OC
Recommended Application Temp: >10OC

WIDTHS AVAILABLE: 6mm to 457mm.

SURFACE PREPARATION: This product should always be applied to clean, dry grease and dust free surface. Care should be taken to ensure that plastic components are free from release agents. Press firmly into position to obtain maximum benefit from the pressure sensitive adhesive. Optimum performance will be obtained when the bond is formed at 23OC. At low temperatures there is a chance of condensation and the tack of the adhesive can be reduced. For maximum performance on some low surface energy substrates an adhesion promoter may be required.

APPROVALS: Chrysler MS - CH59, Type C General Motors 99858652, Type Z Ford WSB - M3G138 - B General Motors GM3802M, Types 4,8,11 & 14. RoHS compliant in respect to 2002/95/EC
Aluminium building entrance mat system

Entrance matting system for all high traffic entrances. Entrance mat that removes/ prevent spoilage material and moisture from entering inside building. Suitable for: Commercial buildings, shopping centers, airports, schools, hospitals, hotels, aged care facilities, high traffic building entrances. Excellent value quality entrance mat system

Carpet wiper tread inserts:
Marine grade carpet, UV stabilised carpet. Colors: Anthracite, grey, brown, red, jet black.

Model: GPCA-28:

Support Chassis: Clear anodised 6063 T5 aluminium.

Tread surface type: 28mm wide (exposed top) UV stabilised carpet, noise proof, slip resistant, moisture/ corrosion resistant.

Dimensions: 3.5LM lengths, width: no restriction, 9mm depth (aluminium profile + rubber backing), 13.5mm depth (aluminium profile + rubber backing + carpet pile). Install in 9-10mm deep frame well/set down.

Connection: Interlocking aluminium.

Frame well system (outer perimeter): Clear anodised 6063 T5 aluminium. 3.5LM lengths. See section below for more details. Perimeter frame fixed to perimeter of set down/ frame well, or optionally be fixed direct to mat.

Application: High traffic pedestrian areas. Hotels, office, school, shopping centres etc.

Weight capacity: upto 1000KG

Backing: Noise suppressing rubber sheet.

Note: Interlocking design enables easy removal (lift away from framed recess) for cleaning purposes. Economical, good quality economical aluminium building entrance mat system. Assists in dirt and moisture removal from incoming pedestrian traffic.

Unit Pricing: Based on minimum order of 3.5LM X 1.0LM section or 3.5 SQM. Includes: aluminium profile (27 X 3.5LM lengths), carpet strip (27 X 3.5LM lengths), rubber backing, aluminium perimeter frame (3 X 3.0 LM lengths). Pricing: $850.00 + GST.

Note: several mats can be made from MOQ of 3.5LM X 1.0LM (additional frame can be provided on request).
Building entrance mat system

Recessed aluminium building entrance mat system with perimeter frame. Anthracite carpet color shown below.
Red, brown, grey color carpet wiper strip options for aluminium based recessed building entrance mat. Side view without perimeter frame.

Perimeter frame:
Material: Clear anodised 6063 T5 aluminium.
Matting type compatibility: GP-1000
Application: Installed at perimeter of frame well, or optionally fixed direct to mat.
Note: Supplied with entrance mat.
Services:

Australia wide supply and delivery service on listed products.

Some information about us:

- Products and Public liability insured.
- Ability to supply to all capital and regional areas of Australia, and Internationally.
- AANZFTA registered company.
- Secure packaging of materials for national and international freight movements.
- Prompt, reliable service, partnered with efficient freight and customs service provider/s.
- Ability to customise products to customers specific requirements.
- Emphasis on quality control.
- Certain products available for purchase via our online store (eg. discrete TGSI's, anti slip tapes, reflective tapes).
- Licenced building work contractor.
- Work Cover insured.

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