

Self-Adhesive Tactile Pad

Product Code: T20

Technical Data Sheet



Technical Data

- Code: T20
- Type: Warning tactile
- Material: Polyurethane
 - Density: 1390 Kg/m³
 - Heat Transfer Coefficient: 0.16W/(m.K)
 - Melting Point: 250°C
 - Effective Head of Combustion: 17.95 MJ/KG
 - Tensile Strength: 50-80MPa
 - Elongation at break: 20-40%
 - Notch Test: 2-5 KJ/m²
 - Young's Modulus: 2900-3300 Mpa
- Dimensions: 300mm x 300mm x 2mm pad plus 5mm tactile height = 7mm total
- Slip Rating: P5 (*test report available on request*)

- ✓ **Must be applied to a clean, dry and smooth surface**
- ✓ **Newly laid surfaces must have a minimum of 30 days curing time before laying pads. A moisture test is advisable as Floorsafe Australia will not be held responsible if pads lift**

Features

- Colours available: Yellow, black, grey, terracotta, ivory & blue
- Fast and easy to install
- Minimal down time – can be walked on immediately
- Suitable for concrete, timber, vinyl and all smooth hard floor surfaces
- Enhanced bonding technique – Floorsafe surface primer is supplied with all orders
- UV stable (*please note grey and terracotta will fade in direct sunlight*)
- 2 year product warranty under normal conditions

Installation Instructions

Make sure you remove any debris & dust and make sure the surface is completely dry.

IMPORTANT: Please use the Surface Primer supplied. It is advisable to keep the pads warm as this will assist in achieving an instant bond. The warmer they are the better the adhesion will be.

1. Place the Tactile pads into position leaving a 1-2mm gap for expansion.
2. Apply masking tape as close as possible to around the edges of the pads
3. Remove pads and apply the Surface Primer onto the surface and up to the edge of the masking tape allowing the primer to soak in.
4. Leave primer to dry between 15 – 30 minutes pending on conditions.
5. Remove backing paper from the tactile pad and place into position leaving a 1-2mm gap. Tap down firmly with rubber hammer.
6. Once the area is completed remove the masking tape making that all exposed edges are sealed

Compliance

Floorsafe Australia's T20 self-Stick Tactiles comply with the following standards:

- National Construction Code
 - Section D3.8
- Australian/New Zealand Standard 1428.1 2009 – Design for access and mobility – Design for access and mobility: General requirements for access – New building works
- Australian/New Zealand Standard 1428.4.1 2009 – Design for access and mobility – Means to assist the orientation of people with vision impairment: Tactile ground surface indicators
- Australian/New Zealand Standard 4586 - 2013 – Slip resistance classification of new pedestrian surface materials

Luminance Contrast

The Building Code of Australian/New Zealand and the AS/NZS 1428.4.1 require a minimum luminance contrast of 30%. Guide lines are as follows:

- Integrated tactile indicators – not less than 30% across the entire area
- Discrete (individual) tactile indicators – not less than 45%
- Where Discrete tactile indicators are constructed of two colours or materials the raised section shall have a minimum contrast of 60%

Test - AS.NZS 1428.4.1 2009 Appendix E (pg 70-77)

88 Gibson Street Bowden SA 5007
Ph: 1300 717 769 Fax: 1300 400 434

sales@floorsafe.com.au

www.floorsafe.com.au

Last Updated Jan 2019



LAYOUT REQUIREMENTS FOR STAIRS, RAMPS, ESCALATORS AND MOVING WALKS

TGSI's provide cues, which, when combined with other environmental information assist people who are blind or vision impaired with their orientation. This system has been designed to provide warning of an approaching hazard to the blind and vision impaired.

Tactiles must meet the requirements of the Building Code of Australia (BCA) Section D Clause 3.8, Australian and New Zealand Standards 1428.4.1-2009 & The Disability Discrimination Act (DDA).

Luminance Contrast

Over 330,000 Australians are blind or vision-impaired. With the ageing Australian population this is expected to double in the next 20 years. Up to 90% of people with vision impairment still retain some sight and for this reason luminance contrast can play an important part. The Building Code of Australian/New Zealand requires a minimum luminance contrast of 30%.

Luminance contrast to the base surface is as follows:

Integrated tactile indicators – not less than 30% across the entire area

Discrete (individual) tactile indicators – not less than 45%

Discrete tactile indicators constructed of two colours or materials the raised section shall have a contrast not less than 60%

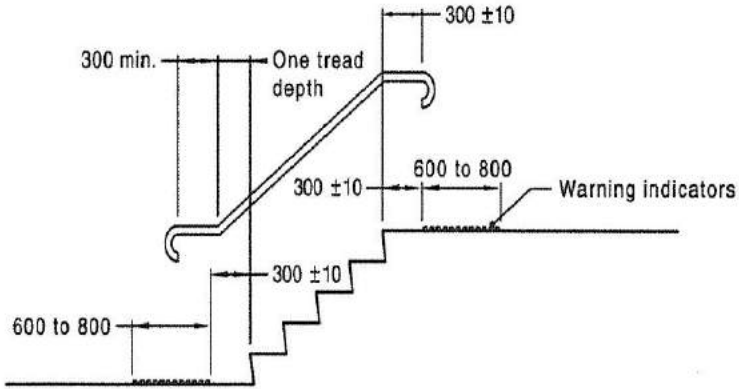
Placement

- Full width of the path of travel
- Perpendicular to the direction of travel when approaching a hazard
- Set back 300mm from the edge of hazard (except at railway stations and wharves) and installed 600mm deep.
- Shall be located at the top and bottom of stair ways, ramps, escalators and moving walks. (see Figure 1)

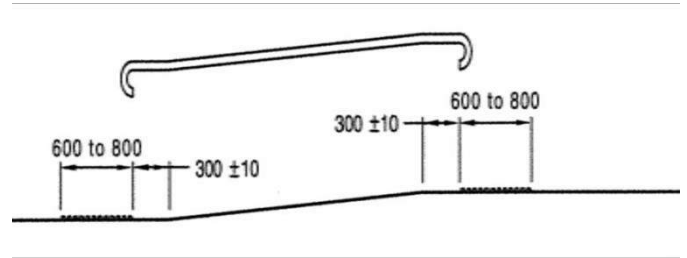
Landings

- Where the distance of the landing is less than 3000mm to the nearest nosing edge the tactile indicators shall be over a distance of 300-400mm (see Figure 2.a)
- Where the distance of the landing is 3000mm or more to the nearest nosing edge the warning indicators shall be over a distance of 600-800mm (see Figure 2.b, Figure 2.d and Figure 3)
- If a continuous handrail exists on both sides and the landing is less than 3000mm tactile indicators are not required (see Figure 1.c).

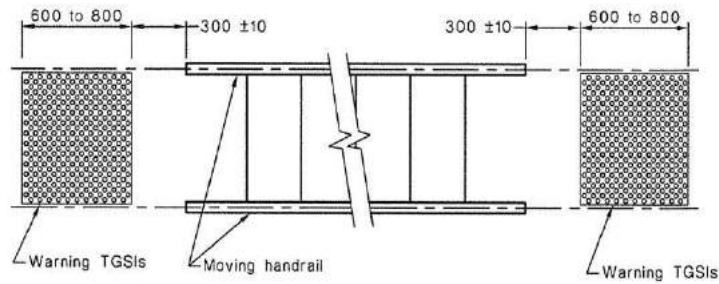
Figure 1



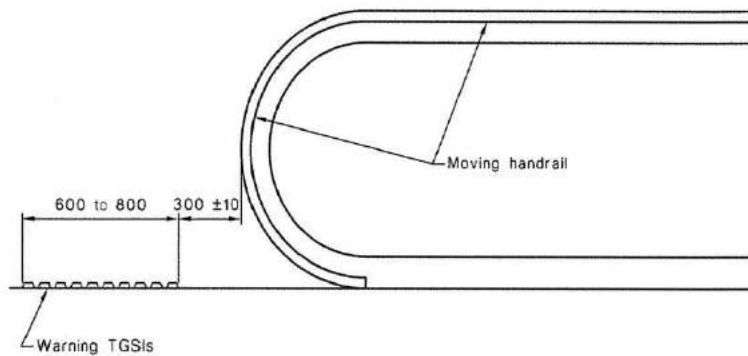
b) Stairways



a) Ramp

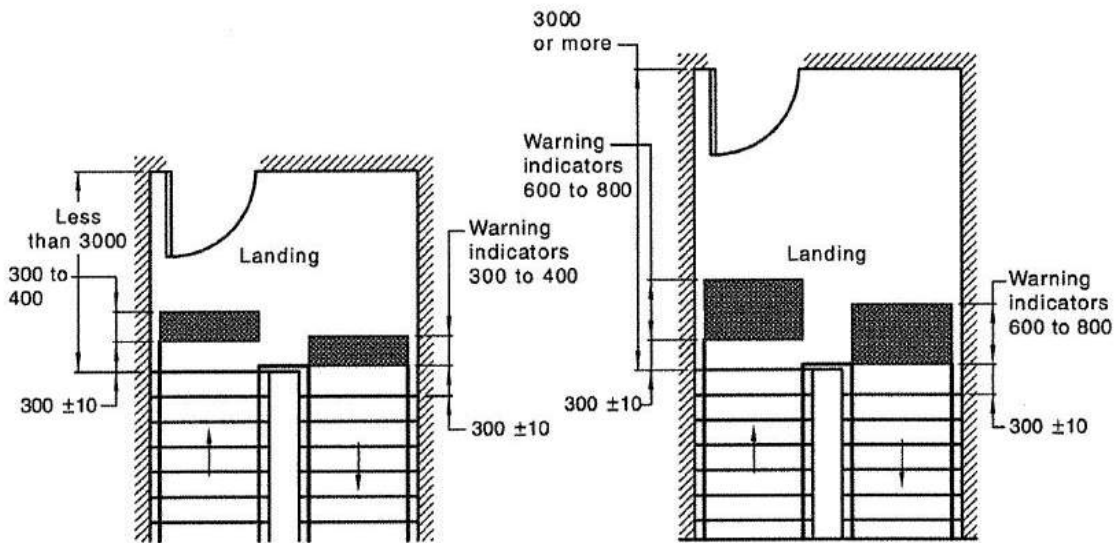


(a) Plan



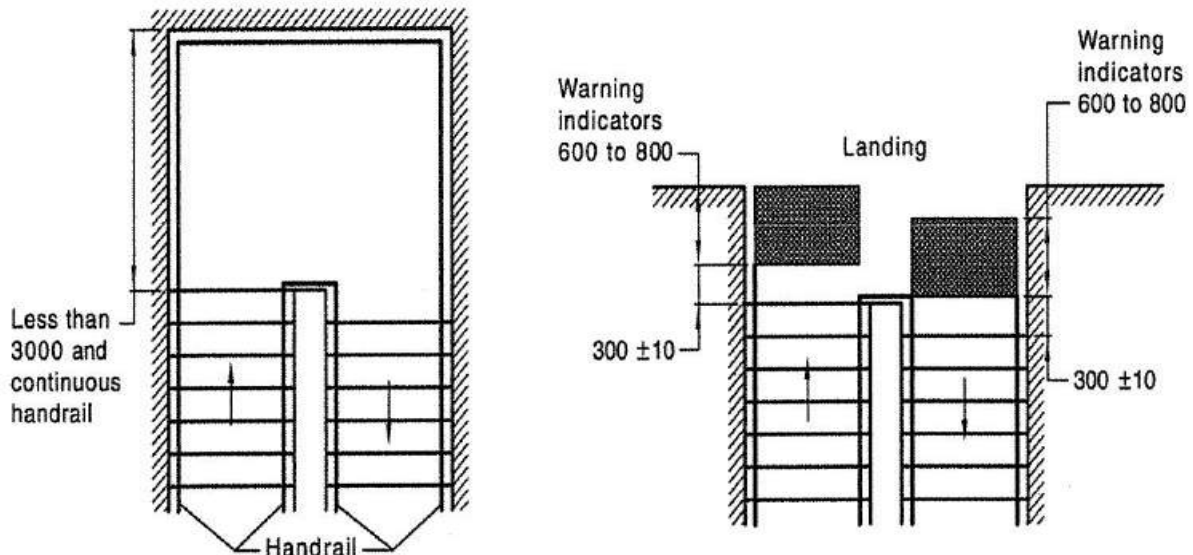
c) Escalators and moving walks

Figure 2



a) Stairway with landing less than 3000mm and no continuous outer handrail

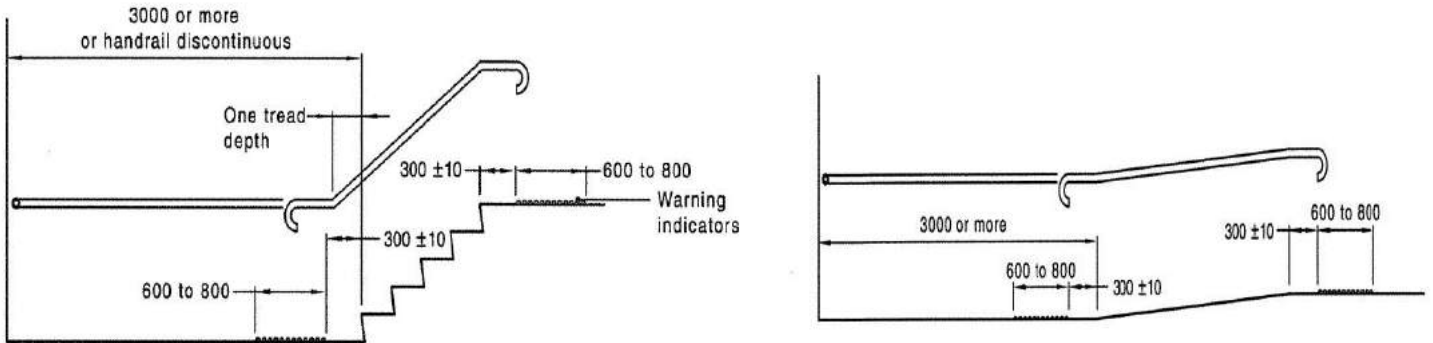
b) Stairway with landing greater than 3000mm and no continuous handrail



c) Plan of enclosed stair way with landing less than 3000m with continuous handrail

d) Unenclosed stairway

Figure 3



- a) Side elevation where bottom landing is greater than 3000m wide and/or has a discontinuous handrail