

# Classic Tredfx Tactile Indicators: Individual

## Installation Guide

### Layout

It is very important that prior to installation, the project is planned and set out to achieve a satisfactory and compliant result.

Tactile Ground Surface Indicators (TGSIs) must be installed in accordance with AS1428.4 .1-2009

Generally, at stairs the TGSIs must be installed 300mm from leading nosing edge at top and bottom of the stair flight 600mm deep to the full width of the path of travel.

For ramps, TGSIs must be installed 300mm from change in plane 600mm deep to the full width of the path of travel.

Layout the TGSIs in the designated areas, using a straight edge / string line or tape to ensure the lines are straight.

**Note:** it is easier to install smaller areas at a time

### Preparation

Substrates must be virgin, uncontaminated and unsealed. TGSIs must be installed on a smooth, flat and dry surface, to ensure adhesive has maximum surface area contact with substrate. Any irregularities must be corrected before installation of the TGSIs.

**Note:** Metal TGSIs must be thoroughly cleaned with Acetone prior to installation.

Please check the product supplied is suitable to your application and complies with the Australian Standards, and read the entire instructions before starting any installation, then follow the steps.

1. Ensure all substrates are properly cured before installation i.e. concrete should be cured min 7-10 days at 25°C before commencement.
2. Thoroughly clean the surfaces from all dirt, moisture and grime, and conduct a final clean with a suitable non-residual cleaner such as Acetone. Always check in a non-obvious area to ensure the cleaner does not damage the substrate in any way.
3. Layout areas for installation using masking tape as a guide.

### Installation

#### Self-Adhesive Fixing Only – Stone, tile, masonry and timber substrates

For TGSIs without rear fixing stud

1. Place the positioning templates into position and tape the corners to hold in firmly in place.
2. Remove release paper from the back of the TGSIs and simply drop the tactile into the template.
3. Using a rubber hammer tap lightly to make sure full adhesion occurs.
4. Once the template is complete with the TGSIs, lift and remove it.
5. To continue, place the first 3 circle rows on the template over the last 3 rows of completed tactiles and continue as required.
6. Ensure the TGSIs are free of all traffic until the adhesive has achieved its full bond (allow 12-24 hrs).

### Installation

#### Mechanical Fixing – Stone, Masonry / Concrete, Timber / Metal Substrates

For TGSIs with rear fixing stud

1. Place the drilling templates into position and tape the corners to hold in firmly in place.
2. Using the drilling templates as a guide, drill the 4 corner holes (in each template) to the correct diameter into the substrate to the required depth, and using the TGSIs, firmly pin the templates into place.  
**Note re drill size:**
  - Metal TGSIs with a 'P' code i.e. SH10P: Drill 6mmø diameter holes.
  - Metal TGSIs with an 'N' code i.e. SH10N: Drill 8mmø diameter holes.
  - Polymer TGSIs i.e. PH06P: Drill 8mmø diameter holes.
  - A wet diamond drilling system is generally the best method for tiled/masonry substrates to ensure the substrate does not crack or shatter.
3. Once all the holes have been drilled to the correct depth, remove the templates. The holes and substrate must be thoroughly cleaned and dust free prior to installation of the TGSIs.
4. If using the Nylon stem TGSIs:
  - The TGSIs can then be located into the holes, by inserting the tapered end of the stem into the hole
  - Hammer firmly home using a rubber mallet
5. If using an adhesive fixed system (i.e. the 'P' stem):
  - Ensure all surfaces and the holes are thoroughly clean.
  - Using a suitable 2-part epoxy or polyester adhesive, dispense the properly mixed adhesive into each hole leaving a blob of adhesive on the surface.

- Apply the TGSIs with rear fixing stud into position and twist firmly into place. Check that full transfer of the adhesive to the stud and back of the TGSIs has occurred.
- Any excess adhesive that is exposed should be immediately removed.
- Ensure the TGSIs are free of all traffic until the adhesive has achieved its full cure (allow 24 hrs).

### Installation

#### Mechanical Fixing – Carpeted substrates

For TGSIs with rear fixing stud

1. For best results, discuss your particular scenario with a Classic consultant to ensure you are conversant with the methodology of installing TGSIs through carpet before proceeding.
2. Ideally in the case of dual bond or conventional carpet, before the final carpet is laid remove the underlay from TGSIs area, and replace the underlay with a ply backing board to the same thickness.
3. Lay the carpet over the backing board, including gluing it down if possible.
4. Using the drilling templates as a guide, layout the area, and mark the hole positions on the carpet.
5. Punch holes out of the carpet using a suitable wad punch.
6. Subject to the scenario, follow the procedures outlined to drill all the holes (taking care not to damage the carpet), and then install the TGSIs.
7. The TGSIs must be firm and properly bedded into the carpet. Individual packers may also be required underneath each TGSIs to raise the height of them to suit the carpet thickness.

**Note:** Where TGSIs are fitted over carpet, it is very important that they are very securely fixed down, as carpet may compress over time loosening the fixing.

**Remember.....If you are not sure ask !!!!**

#### ABOUT THIS INSTALLATION ADVICE

This information is offered as a general guide only, and specific advice should always be sought from a reputable and accredited TGSIs Installer before undertaking any installations.

This guidance does not preclude the use of other methods, materials or equipment; however the user should undertake careful evaluation and make suitable enquiries of the suitability of alternative methods, materials or equipment, before using them.

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