



# PolyStud® Tactile Indicators

## INSTALLATION INSTRUCTIONS

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PolyStud® discrete Tactile Indicators are a special individual stud available in a range of colours to meet both aesthetic and luminance contrast requirements and are available in two distinct raised conical profiles: either studded, to provide hazard warning or ribbed for directional guidance. This document sets out the method of installing PolyStud® discrete Tactile indicators.

**Tactile Ground Surface Indicators (TGSIs) are a compulsory requirement of: the Building Code of Australia (BCA); the federal government Disability Discrimination Act (DDA) and local government public access policy. Tactile Guidance systems allow people with vision impairment to travel in a dignified and independent way by providing both “tactile” and “visual” cues.**

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### LAYOUT REQUIREMENTS:

Some installation requirements may vary and must be installed in the manner prescribed in AS1428.

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### PREPARATION OF SUBSTRATES:

PolyStud® discrete Tactile Indicators are suitable for installing on sound, solid, level, clean and dry sub-floors, including: concrete, hot mix bitumen, pavers, ceramic tiles, hardboard, underlay, marine plywood, timber, aluminum and steel. Sub-floors must also be free of dust/wax/oil/paint/alkali. The nominated contractor is responsible for the inspection and preparation of the sub-floor prior to the installation of Tactiles.

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### INSTALLATION:

PolyStud® Tactile Indicators are installed by way of inserting them into the substrate, which is achieved engaging them into predrilled holes. This later installation method requires predrilling the holes with a suitable drill bit and a Tactile with a “spigot” or stem. Traditionally the insertion method also required adhesive, however PolyStud® discrete Tactile Indicators are also available with a mechanical retention fitting system. This method does not require adhesive.

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### PRE-DRILLING THE SUBSTRATE

PolyStud® Tactile Indicators require the substrate to be predrilled using a 8mm diameter drill bit and a suitable template. Continue drilling through each locating hole of the Template until each and every hole has been drilled.

The depth of each hole must be at least 5mm greater than the length of the spigot (20mm), a 25mm hole depth must be used. This will allow for any contaminants to settle at the bottom without interference.

Move the Template to the adjacent area making sure the alignment is correct.

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### PRIOR TO INSTALLING POLYSTUD® TACTILES

Once the holes have been drilled it is critical to ensure the area is properly cleaned, including the inside of the holes. This can be achieved with an airgun or wet vacuum cleaner. It is also critical to wipe down the entire surface to ensure the area is clean and free of any contaminants.

Once the area is clean, place the studs into the predrilled holes and gently tap with a rubber/plastic mallet until the tactile has bedded down correctly. There should be no gap between the tactile head and the substrate. After completing the installation the area can be immediately released to the public and is immediately suitable for pedestrian traffic.

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### EXPERIENCED CONTRACTORS AND RELEVANT STANDARDWS:

Installation should be carried out by a fully experienced contractor. The installer should be familiar with the preparation and treatment of sub-floors and the application of Tactile Ground Surface Indicators and hence a working knowledge of the Australian Standard AS1428.4:2002 is also desirable.