



INSTALLATION MANUAL

FLATBACK PRODUCTS

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USER/INSTALLER

It is imperative that everyone installing DTAC products carefully read this document prior to commencement of installation. DTAC Pty Ltd will not be held liable for the misuse of their products or any damage whatsoever caused as a result of non-compliance with procedures as described in this document.

DTAC Pty Ltd will only honour the product guarantee for the DTAC Tactiles when the product has been installed in accordance with the specified instructions, equipment and products as described within this document.

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IMPORTANT NOTICE

The user/installer is responsible for determining whether the adhesive product is fit for a particular purpose and suitable for the user's/installer's method of application. Please remember that many factors can affect the use and performance of an adhesive product in a particular application.

The factors include but are not limited to: the surface preparation of those materials, the product selected for use, the condition in which the product is used and the time and environmental conditions in which the product is expected to perform.

Given the many factors that can affect the use and performance of an adhesive product, some of which are uniquely within the user's/installer's knowledge and control, it is essential the user/installer evaluate the adhesive product to determine where it is fit for a particular purpose and suitable for the user's/installer's method of application.

If in doubt, always consult with a DTAC Technical Representative prior to commencement of any works.

NOTE: The user/installer should at all times observe the manufacturer's specifications and if required, seek additional information from an authorised DTAC representative.

O.H.S.: The user/installer should read in full and be familiar with the precautions to take to ensure the safe use of DTAC products. When using adhesives and cleaners, DTAC recommends wearing latex or vinyl gloves and a respirator that complies with Australia Standards AS1715 & AS1716.

LIGHT REFLECTANCE VALUE (LRV)

IMPORTANT: An LRV testing review is required prior to installation.

To determine a luminance contrast between a substrate and the DTAC Tactile, see: AS/NZS 1428.4.1:2009 and AS 1428.1:2021.

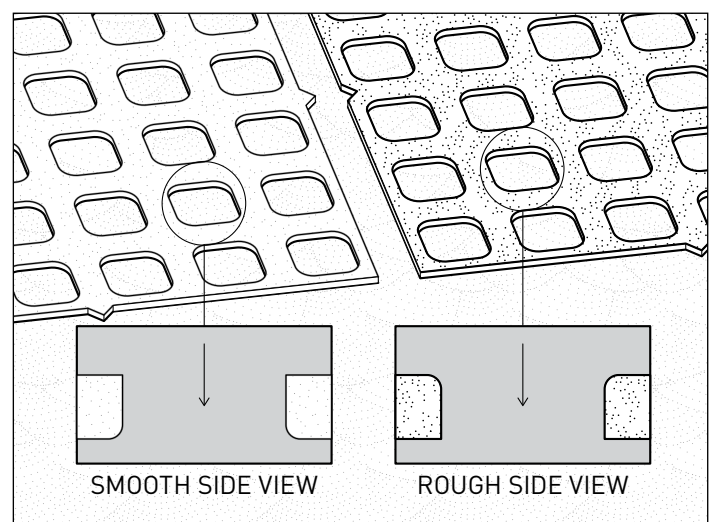


TEMPLATE TIP

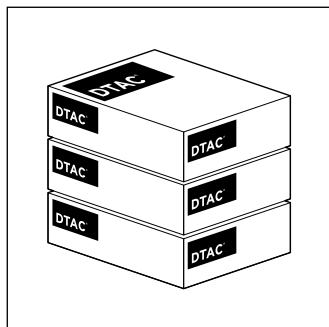
The DTAC Templates feature a "rough" and "smooth" side.

Installation of the Tactiles can be made easier by having the Template's rough side facing up.

The holes have a rounded edge on the rough side which can assist the installer when handling the Tactiles.



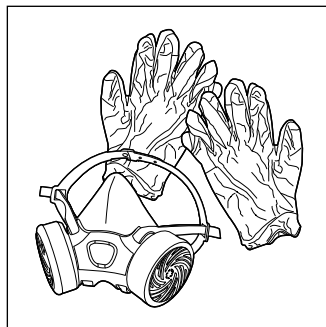
EQUIPMENT REQUIRED FOR INSTALLATION



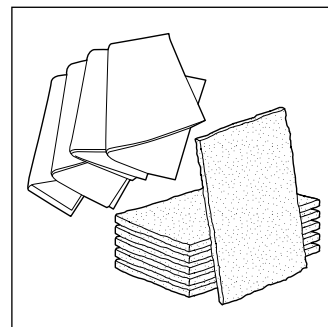
DTAC Tactile Products



Australian Standards Document



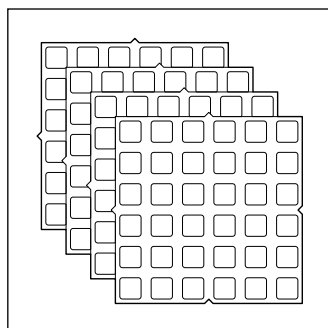
Disposable Latex Gloves
and Respirator



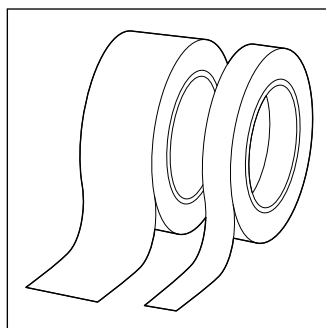
Clean Lint-Free Cloths and
Scouring Hand Pads



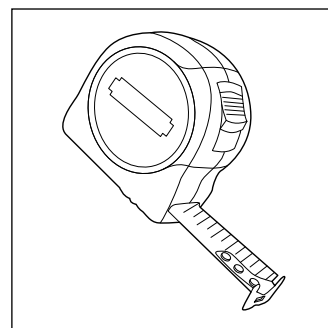
Acetone or Adhesive Cleaner/
Solvent



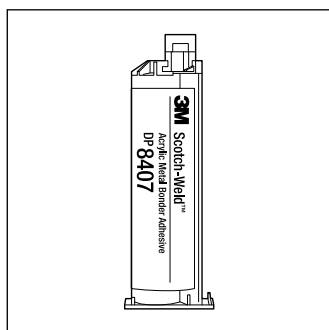
Cardboard Template
300x300 (Square Holes)
(Product Code: DTEM0040)



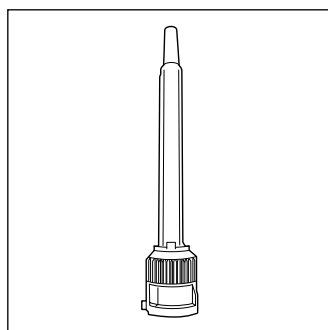
3M Green Masking Tape -
12/36mm (Product Codes
DTC0060 & DTC0050)



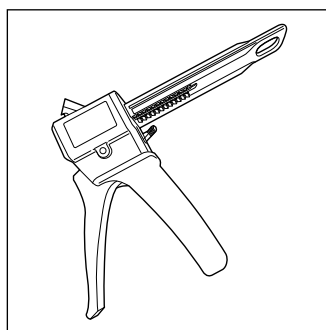
Measuring Tape (Metric)



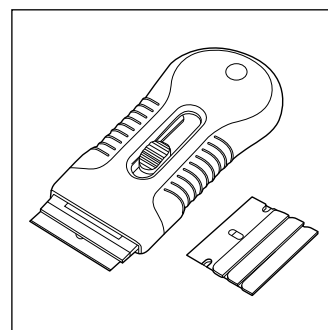
3M 8407 Scotch-Weld Metal
Bonder Adhesive Cartridge
(Product Code: DTC0420)



3M Mixing Nozzle EPXMN45
(Product Code: DTC0430)

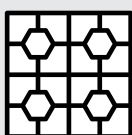


3M EPX Applicator
(Product Code: DTC0100)

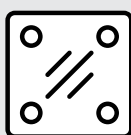


Scraper Blade Holder
and Spare Blades

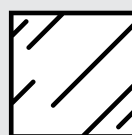
RECOMMENDED SUBSTRATES



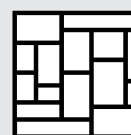
Porcelain &
Ceramics



Metals



Glass



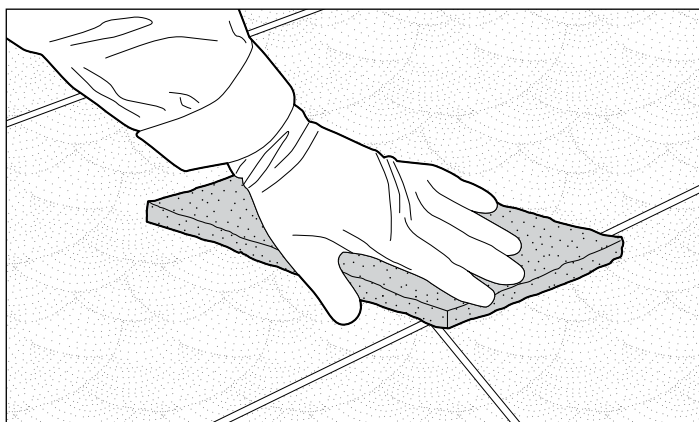
Stone

For further advice on substrates/floor finish applications, contact DTAC.

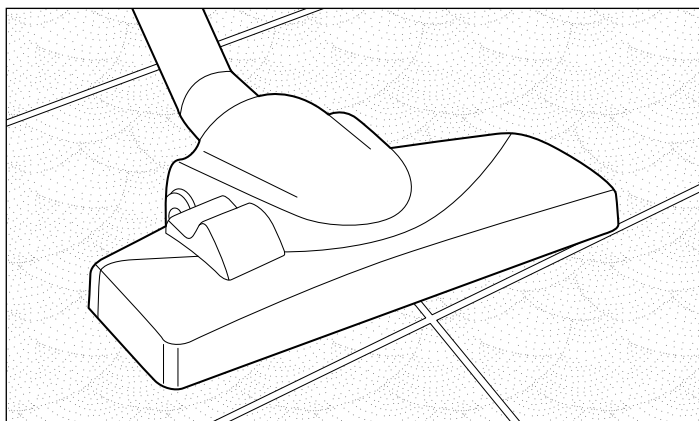
SURFACE PREPARATION

NOTE: DTAC Tactiles require high bond strength on all substrates/surfaces of application. The degree of surface preparation will determine the success or failure of installation on all substrates/surfaces.

IMPORTANT: It is a good idea to wear protective gloves and a respirator to complete these steps.



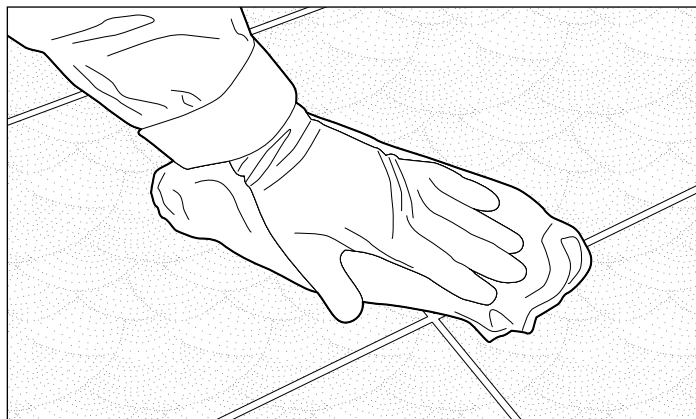
1. Abrade the surface with a Scouring Hand Pad to remove oil, grease and any other contaminants (this also applies if the surface is pre-primed). **DO NOT USE PADS ON A TIMBER SURFACE/SUBSTRATE.**



2. Vacuum all loose dust and debris left from the scouring. This will ensure that using a rag in the next step will be a simpler process.



Both the DTAC Tactiles and the surface it will be bonded to must be clean and dry.



3. Remove any leftover contaminants by wiping with Acetone and a Clean Lint-Free Cloth. Conduct a test first on an inconspicuous area of the substrate.
4. If surface remains soiled, stained or sealed with a penetrating sealer, repeat Steps 1 to 3 as necessary.

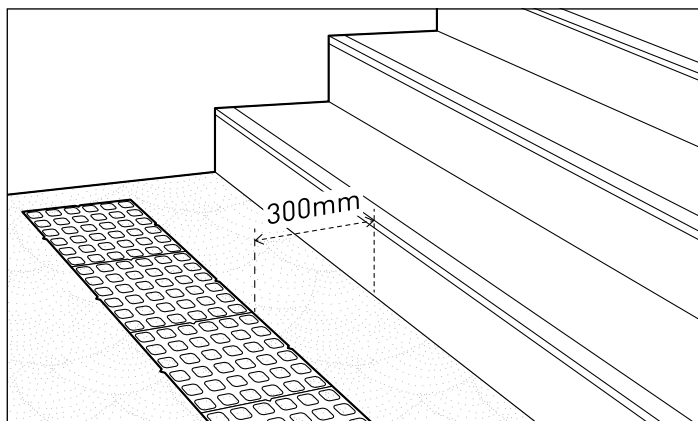
DTAC TACTILE TEMPLATE POSITIONING

Install DTAC Tactiles in accordance with AS/NZS 1428.4.1:2009 and AS 1428.1:2021 (Design for Access and Mobility Part 4: Tactile ground surface indicators for the orientation of people with vision impairment).

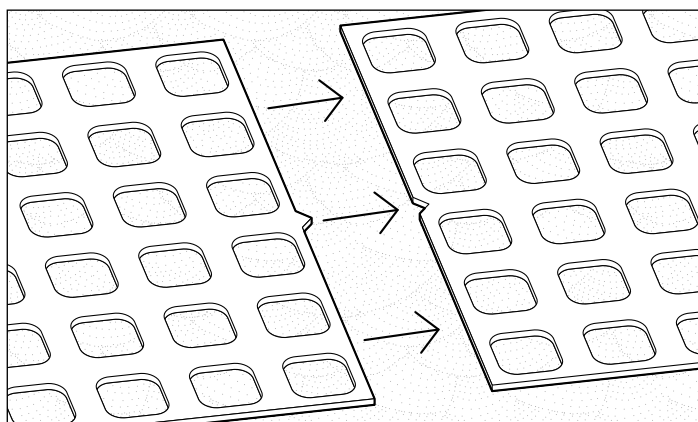
NOTE: Only use the DTAC positioning templates that have been designed in accordance with the above mentioned Standard.

A copy of this standard, referred to in the building code of Australia (BCA Section D Clause 3.8) can be purchased by writing to Standards Australia - GPO Box 5420, Sydney NSW 2001 or by phoning administration on (02) 8206 6000 or visiting: standards.org.au

1. Remove Cardboard Template with Square Holes from packaging.



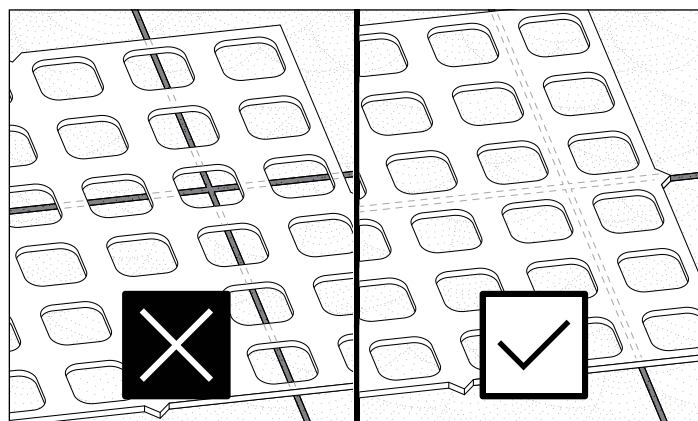
2. Place Templates 300mm from edge of stair to ensure that the Tactile layout will conform to the latest AS/NZS 1428.4.1 Standard.



3. Place the templates against each other, ensuring the notches fit into the groove of the adjoining template.

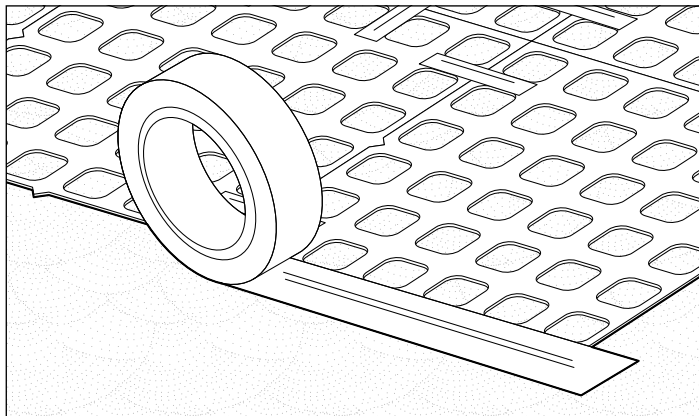


4. Tape the templates together using the 12mm 3M Green Masking Tape (**Product Code: DTC0060**).

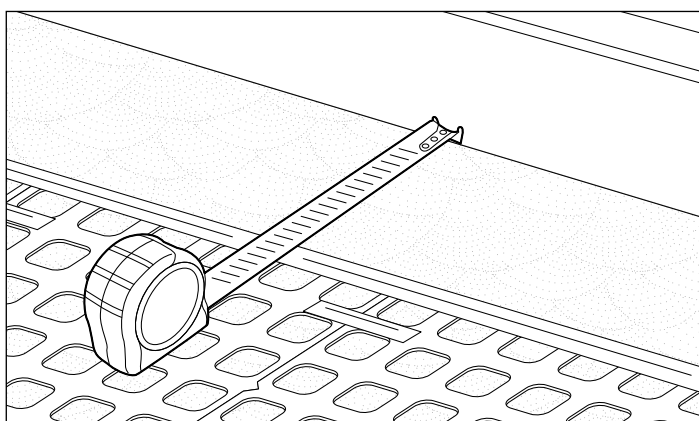


5. Attempt to avoid placement of the Tactiles into grout lines.

DTAC TACTILE TEMPLATE POSITIONING



6. Tape the edges of the templates to the substrate using the 36mm 3M Green Masking Tape (**Product Code: DTC0050**).



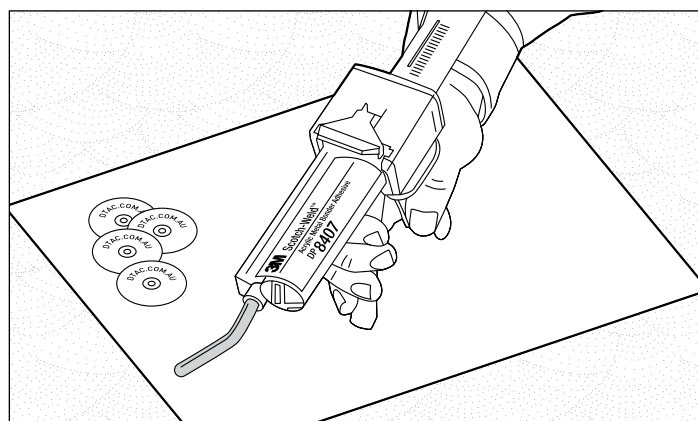
7. With a Measuring Tape, double check that the Tactile position complies with the latest AS/NZS 1428.4.1 Standard.

ADHESIVE PROCEDURE

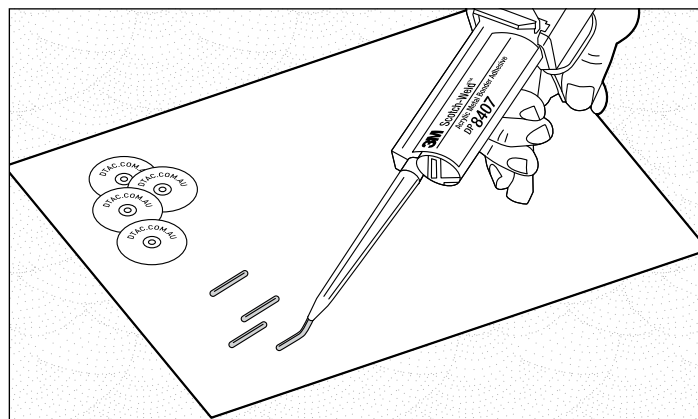
NOTE: The user/installer should always test the Tactile with the Adhesive. This is to determine the amount of adhesive required to successfully install the product.

1. Place the 3M 8407 Scotch-Weld Metal Bonder Adhesive Cartridge (**Product Code: DTC0420**) into the 3M EPX Applicator (**Product Code: DTC0100**) and clip into position with label facing up.

2. Remove the sealed cap from the cartridge.

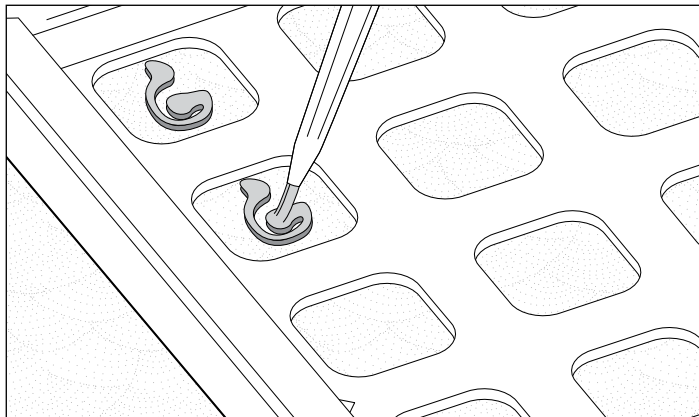


3. Expel a small quantity of adhesive onto a disposable sample piece by squeezing trigger of the applicator to ensure both components of the cartridge flow freely.

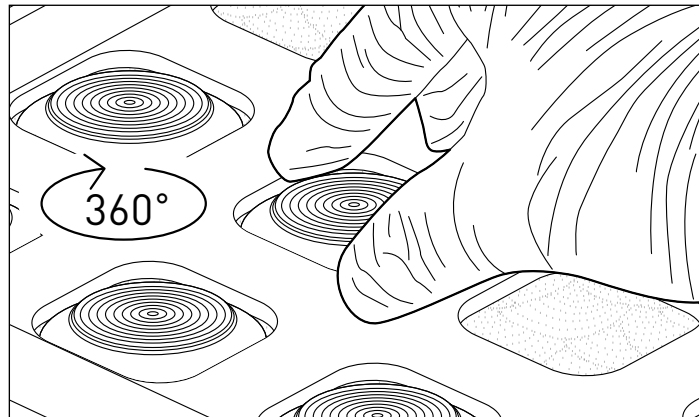


4. Attach the 3M Mixing Nozzle EPXMN45 (**Product Code: DTC0430**) to the cartridge and press the trigger of the applicator until the liquid adhesive has fully mixed and flows freely out the end.

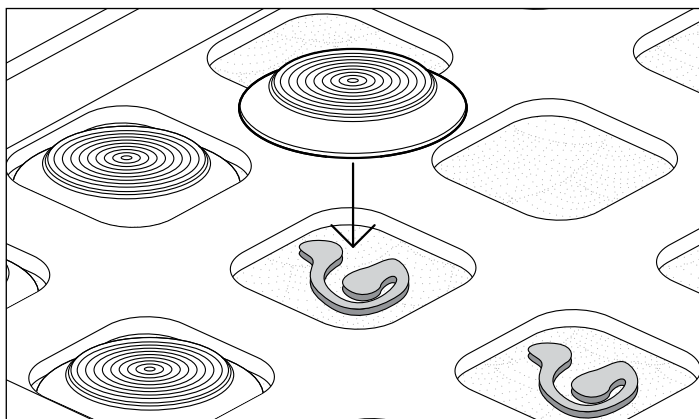
ADHESIVE PROCEDURE



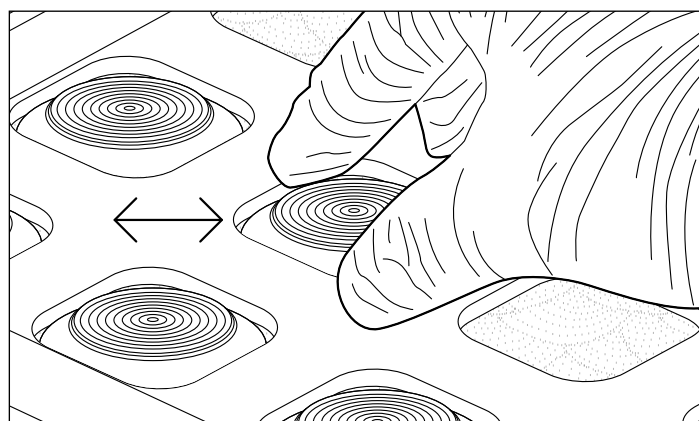
5. Starting at the centre of the template cavity, place glue in a 'G' shape of approximately 20mm diameter with a line of 3mm width.



7. Turn the Tactile 360 degrees whilst gently pushing down so that the glue spreads evenly to the edge of the Tactile (if glue leaks out the side of the Tactile, too much glue has been used).



6. Place the Tactile in the template cavity.



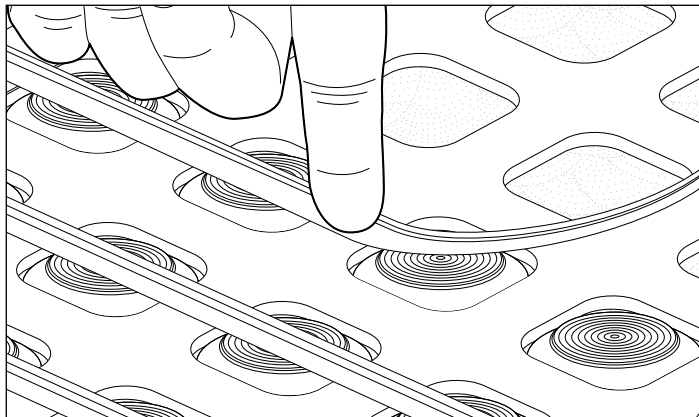
8. Gently wobble the Tactile to test the surface friction.

NOTE: It is strongly advised to wear a durable pair of gloves to handle the Tactiles once inserted into the cavities of the Template.

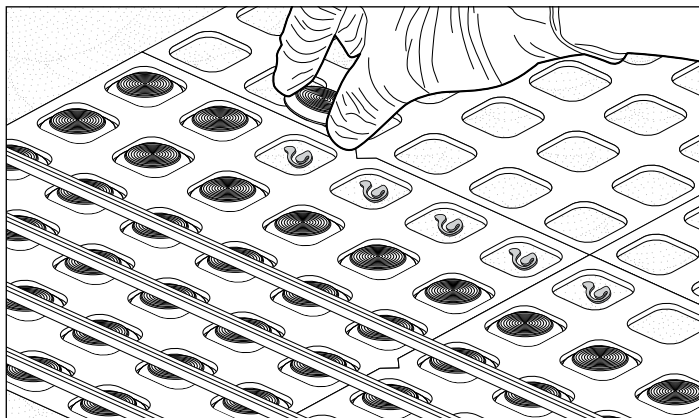
9. When finished either leave the nozzle on the cartridge (with masking tape placed over the top of the nozzle) or remove the nozzle, wipe the tip clean and replace the cartridge cap.

10. To re-use after storage, remove the old nozzle from the cap of the cartridge and fit a new nozzle.

ADHESIVE PROCEDURE



11. If the surface/substrate is uneven, tape a line over the Tactiles to hold them in place while the adhesive cures.



12. If there are two users/installers, one can apply glue and lines of tape, and the other can place and twist the Tactiles.

13. Once the adhesive has cured (see the appropriate Technical Data Sheet), peel away masking tape, remove templates and inspect the installation.

INSTALLATION SUMMARY

SURFACE PREPARATION

1. Roughen and clean substrate/surface according to recommended cleaning schedule.

DTAC TACTILE TEMPLATE POSITIONING

1. Position DTAC Templates according to AS/NZS 1428.4.1.
2. Tape DTAC Templates together and to substrate/surface.

ADHESIVE PROCEDURE

1. Apply glue to substrate according to this Installation Manual.
2. Place Tactile into DTAC Template cavity and turn 360 degrees.
3. Wait for adhesive to cure.
4. Remove DTAC Positioning Templates.
5. Inspect the installation.

GLUE CLEANING INFORMATION

For glue that has not set:

Use Acetone by applying first to a lint free cloth and then wiping the affected area.

For glue that has set:

Scrape away excess with a Scraper Blade or Knife being careful not to damage the substrate/surface.

FURTHER NOTES

Adhesive information about cartridges of unopened Adhesive:

If the temperature of the adhesive cartridge feels cold in hand or has been stored below 23 degrees Celsius, prior to use, place into hot water or on top of a hot water bottle as this will aid the flow of adhesive. NEVER PUT NEAR A FLAME.

If adhesive is used in cool conditions, the glue may begin to leak from between the nozzle and cartridge. If this occurs try turning the nozzle counter clockwise to force lock of the cartridge in the opposite direction.

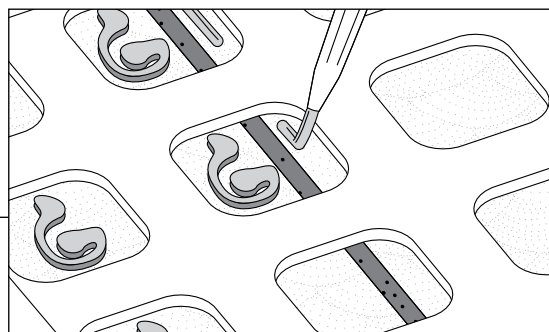
Additional information on the Gluing Techniques:

Bulk application of Tactiles:

Apply to holes in quantities of no more than 10 at a time and apply Tactile immediately.

Substrate Grout Lines

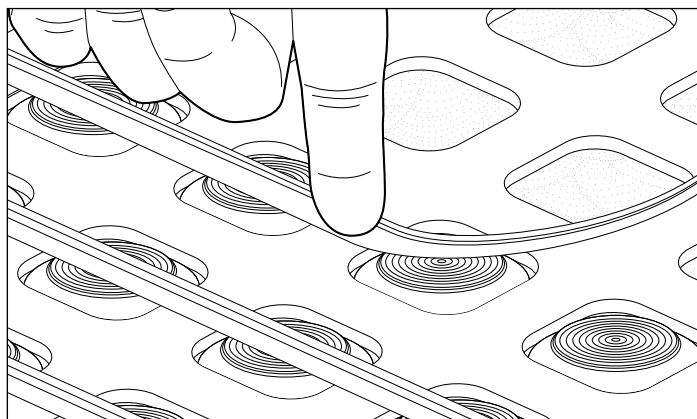
If grout lines cannot be avoided when placing Tactiles, make sure that glue is applied on both sides of the grout line.



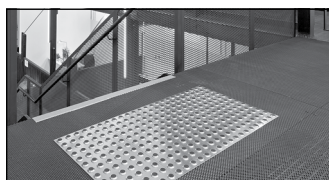
UNEVEN SUBSTRATES/SURFACES

If the surface of the substrate is uneven or slopes at an angle the Tactile may slip under the templates out of position.

To prevent any movement from occurring, use 12mm Masking Tape in lines over the Tactiles to hold them in place until the adhesive has cured.



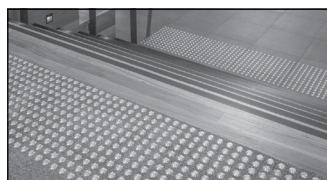
OTHER DTAC PRODUCTS



INTEGRATED TACTILES



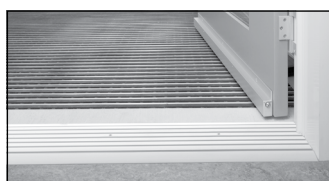
DIRECTIONAL TACTILES



CARPET TACTILE SYSTEMS



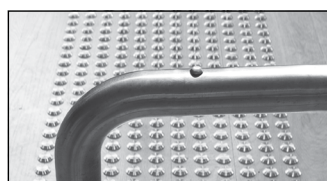
STAIR NOSING & EDGING



THRESHOLDS & TRANSITION STRIPS



URBAN EDGE PROTECTORS



HANDRAIL TACTILE INDICATORS



CONSUMABLES