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# INSTALLATION PROCEDURES FOR INTEGRATED TACTILES

Designed for all surface types  
**Indoor and Outdoor**





## IMPORTANT NOTICE

### PLEASE READ CAREFULLY PRIOR TO INSTALLATION

- ❗ Surface **MUST** be dry for at least 3 days
- ❗ Newly laid concrete or asphalt must cure a minimum period of 21 days
- ❗ For outdoor installations, a 2mm gap between each tactile is required for expansion and contraction
- ❗ Surfaces **MUST** be free of dust, dirt and debris
- ❗ Do not install tactiles over holes or expansion gaps
- ❗ Do not cut through tactile nodules as this will create a pedestrian trip hazard

### PERSONAL PROTECTIVE EQUIPMENT (PPE) IS REQUIRED WHEN HANDLING PRIMER



**SKIN  
PROTECTION**



**EYE  
PROTECTION**



**BREATHING  
PROTECTION**

- ❗ Always read the emergency procedure before applying surface primer
- ❗ Material Safety Data Sheets are available online [www.guardiantactile.com/msds](http://www.guardiantactile.com/msds)



# INSTALLATION PROCEDURE FOR EACH SUBSTRATE

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Please contact the office if you have any further enquiries  
or are in any doubt about correct installation procedures

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# CONCRETE (INDOOR)

- ❗ New concrete must be cured for a minimum of 21 days
- ❗ All concrete must be dry for 3 days

## 1. INSTALLATION SETUP:

- ❗ Concrete must be dry for at least 3 days. Poor adhesion will occur if area is not dry.
- Mark out the area to be tiled using a straight edge or chalk line.

## 2. PREPARING SURFACE AREA:

- Rough and pre-sealed concrete requires a light sanding.
- Concrete must be as flat as possible without any raised obstructions or undulations. If necessary, use a grinder with the appropriate disc to flatten the surface.
- Remove all dust, dirt and debris with a vacuum cleaner. Poor adhesion will occur if area is not cleaned properly.
- ❗ Do not install tactiles over holes or expansion gaps. Tactiles should stop short of expansion joints and then continue on other side.

## 3. TACTILE APPLICATION:

- Partially remove backing sheet 100mm from the top edge.
- Position the top edge of the tactile on the corner edge of the marked area.
- Slowly lay down the tactile while removing the backing sheet.
- Repeat the process until the tactiles cover the marked area.
- ❗ Adhesive backing will bond immediately.

## 4. COMPLETE INSTALLATION:

- Using a wooden block and hammer, tap the flat and then raised surface of each tactile.
- Tactiles can be walked on immediately.

# CONCRETE (OUTDOOR)

- ❗ New concrete must be cured for a minimum of 21 days
- ❗ All concrete must be dry for 3 days
- ❗ A 2mm gap is required between each tactile for outdoor installations

## 1. INSTALLATION SETUP:

- ❗ Concrete must be dry for at least 3 days. Poor adhesion will occur if area is not dry.
- Mark out the area to be tiled using a straight edge or chalk line allowing for a 2mm gap between each tactile.

## 2. PREPARING SURFACE AREA:

- Rough and pre-sealed concrete requires a light sanding.
- Concrete must be as flat as possible without any raised obstructions or undulations. If necessary, use a grinder with the appropriate disc to flatten the surface.
- Remove all dust, dirt and debris with a leaf blower. Poor adhesion will occur if area is not cleaned properly.
- ❗ Do not install tactiles over holes or expansion gaps. Tactiles should stop short of expansion joints and then continue on other side.

## 3. D PRIMER APPLICATION:

- Apply masking tape around the outside of the marked area.
- Stir D Primer well before use.
- Apply a thin and even coat of D Primer using the supplied applicator.
- Allow D Primer to go over the tape edge to achieve full coverage.
- Wait 5 minutes before removing masking tape.
- Allow D Primer to become COMPLETELY DRY (allow for 1 hour minimum). Humid and/or cool conditions will require a longer drying period.

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# CONCRETE (OUTDOOR) continued

## 4. TACTILE APPLICATION:

- Partially remove backing sheet 100mm from the top edge.
- Position the top edge of the tactile on the corner edge of the marked area.
- Slowly lay down the tactile while removing the backing sheet.
- !** A 2mm gap between each tactile is required for expansion and contraction.
- Repeat the process until the tactiles cover the marked area.
- !** Adhesive backing will bond immediately.

## 5. COMPLETE INSTALLATION:

- Using a wooden block and hammer, tap the flat and then raised surface of each tactile.
- Tactiles can be walked on immediately.

# EXPOSED AGGREGATE (OUTDOOR)

- ❗ New exposed aggregate must be cured for a minimum of 21 days
- ❗ Exposed aggregate must be dry for 1 day
- ❗ A 2mm gap is required between each tactile for outdoor installations

## 1. INSTALLATION SETUP:

- ❗ Exposed aggregate must be dry for at least 1 day. Poor adhesion will occur if area is not dry.
- Mark out the area to be tiled using a straight edge or chalk line allowing for a 2mm gap between each tactile.

## 2. PREPARING SURFACE AREA:

- Exposed aggregate must be as flat as possible without any raised obstructions or undulations. If necessary, use a grinder with the appropriate disc to flatten the surface.
- Remove all dust, dirt and debris with a leaf blower. Poor adhesion will occur if area is not cleaned properly.
- ❗ Do not install tactiles over holes or expansion gaps. Tactiles should stop short of expansion joints and then continue on other side.

## 3. H PRIMER APPLICATION:

- Refer to H Primer instructions on page 18.

# BITUMEN/ASPHALT (SMOOTH SURFACE)

- ❗ New bitumen/asphalt must be cured for a minimum of 21 days
- ❗ Bitumen/asphalt must be dry for 1 day
- ❗ A 2mm gap is required between each tactile for outdoor installations

## 1. INSTALLATION SETUP:

- ❗ Bitumen/asphalt must be dry for at least 1 day. Poor adhesion will occur if area is not dry.
- Mark out the area to be tiled using a straight edge or chalk line allowing for a 2mm gap between each tactile.

## 2. PREPARING SURFACE AREA:

- Bitumen/asphalt must be as flat as possible without any raised obstructions or undulations. If necessary, use a grinder with the appropriate disc to flatten the surface.
- Remove all dust, dirt and debris with a leaf blower. Poor adhesion will occur if area is not cleaned properly.
- ❗ Do not install tactiles over holes. Tactiles should stop short of large gaps and then continue on other side.

## 3. H PRIMER APPLICATION:

- Refer to H Primer instructions on page 18.

# BITUMEN/ASPHALT (ROUGH SURFACE)

- ❗ New bitumen/asphalt must be cured for a minimum of 21 days
- ❗ Bitumen/asphalt must be dry for 1 day
- ❗ A 2mm gap is required between each tactile for outdoor installations

## 1. INSTALLATION SETUP:

- ❗ Bitumen/asphalt must be dry for at least 1 day. Poor adhesion will occur if area is not dry.
- Mark out the area to be tiled using a straight edge or chalk line allowing for a 2mm gap between each tactile.

## 2. PREPARING SURFACE AREA:

- Bitumen/asphalt must be as flat as possible without any raised obstructions or undulations. If necessary, use a grinder with the appropriate disc to flatten the surface.
- Remove all dust, dirt and debris with a leaf blower. Poor adhesion will occur if area is not cleaned properly.
- ❗ Do not install tactiles over holes. Tactiles should stop short of large gaps and then continue on other side.

## 3. CHOICE OF APPLICATION:

- If bitumen/asphalt is uneven or the gaps are too excessive, refer to galvanised sheet instructions on page 17.
- For smoother substrates, refer to H Primer instructions on page 18.

# CERAMIC TILE/VINYL (INDOOR/OUTDOOR)

- ❗ A 2mm gap is required between each tactile for outdoor installations

## 1. INSTALLATION SETUP:

- ❗ Tiles/vinyl must be completely dry. Poor adhesion will occur if area is not dry.
- Mark out the area to be tiled using a straight edge or chalk line. Allow for a 2mm gap between each tactile for outdoor installations.

## 2. PREPARING SURFACE AREA:

- Tiles/vinyl must be as flat as possible without any raised obstructions or undulations. If necessary, use a sander with the appropriate disc to flatten the surface.
- Remove all dust, dirt and debris using a vacuum cleaner/leaf blower. Poor adhesion will occur if area is not cleaned properly.
- Thoroughly clean area with a clean cloth and acetone. Ensure area is completely dry.

## 3. TACTILE APPLICATION:

- Partially remove backing sheet 100mm from the top edge.
- Position the top edge of the tactile on the corner edge of the marked area.
- Slowly lay down the tactile while removing the backing sheet.
- ❗ For outdoor installations, a 2mm gap between each tactile is required.
- Repeat the process until the tactiles cover the marked area.
- ❗ Adhesive backing will bond immediately.

## 4. COMPLETE INSTALLATION:

- Using a wooden block and hammer, tap the flat and then raised surface of each tactile.
- Tactiles can be walked on immediately.

# BRICK PAVERS (OUTDOOR)

- ❗ Brick pavers must be dry for 1 day
- ❗ A 2mm gap is required between each tactile for outdoor installations

## 1. INSTALLATION SETUP:

- ❗ Brick pavers must be dry for at least 1 day. Poor adhesion will occur if area is not dry.
- Mark out the area to be tiled using a straight edge or chalk line allowing for a 2mm gap between each tactile.
- All brick pavers should be evenly laid and well compacted with no movement to ensure proper adhesion.

## 2. PREPARING SURFACE AREA:

- Brick pavers must be as flat as possible without any raised obstructions or undulations. If necessary, use a grinder with the appropriate disc to flatten the surface.
- Pre-sealed brick pavers require a light sanding.
- Remove all dust, dirt and debris with a leaf blower. Poor adhesion will occur if area is not cleaned properly.
- ❗ Do not install tactiles over holes or large gaps. Tactiles should stop short of large gaps and then continue on other side.

## 3. H PRIMER APPLICATION:

- Refer to H Primer instructions on page 18.

# CARPET (RECESSED)

## 1. INSTALLATION SETUP:

- Mark out the area to be tiled using a straight edge or chalk line.
- Secure plywood or MDF to the recessed area.
- !** Ensure tactiles are level with the carpet.

## 2. PREPARING SURFACE AREA:

- Plywood/MDF must be as flat as possible without any raised obstructions or undulations.
- Remove all dust, dirt and debris with a vacuum cleaner. Poor adhesion will occur if area is not cleaned properly.
- Thoroughly clean area with a clean cloth and acetone. Ensure area is completely dry.

## 3. TACTILE APPLICATION:

- Partially remove backing sheet 100mm from the top edge.
- Position the top edge of the tactile on the corner edge of the marked area.
- Slowly lay down the tactile while removing the backing sheet.
- Repeat the process until the tactiles cover the marked area.
- !** Adhesive backing will bond immediately.

## 4. COMPLETE INSTALLATION:

- Using a wooden block and hammer, tap the flat and then raised surface of each tactile.
- Tactiles can be walked on immediately.

# CARPET (DIRECT)

## 1. INSTALLATION SETUP:

- Carpet must be completely dry. Poor adhesion will occur if surface is not dry.
- Mark out the area to be tiled using a straight edge or chalk line.

## 2. PREPARING SURFACE AREA:

- Carpet must be as flat as possible without any raised obstructions or undulations.
- Remove all dust, dirt and debris with a vacuum cleaner. Poor adhesion will occur if area is not cleaned properly.

## 3. TACTILE APPLICATION:

- Partially remove backing sheet 100mm from the top edge.
- Position the top edge of the tactile on the corner edge of the marked area.
- Slowly lay down the tactile while removing the backing sheet.
- Repeat the process until the tactiles cover the marked area.
- Adhesive backing will bond immediately.

## 4. COMPLETE INSTALLATION:

- Using a wooden block and hammer, tap the flat and then raised surface of each tactile.
- Tactiles can be walked on immediately.

# TIMBER/CHIPBOARD/PLYWOOD (INDOOR)

## 1. INSTALLATION SETUP:

- ❗ Timber/chipboard/plywood must be completely dry. Poor adhesion will occur if area is not dry.
- Mark out the area to be tiled using a straight edge or chalk line.

## 2. PREPARING SURFACE AREA:

- Oiled or presealed wood requires sanding.
- Timber/chipboard/plywood must be as flat as possible without any raised obstructions or undulations. If necessary, use a sander with the appropriate disc to flatten the surface.
- Remove all dust, dirt and debris with a vacuum cleaner. Poor adhesion will occur if area is not cleaned properly.
- If painted or presealed, thoroughly clean area with a clean cloth and acetone. Ensure area is completely dry.

## 3. TACTILE APPLICATION:

- Partially remove backing sheet 100mm from the top edge.
- Position the top edge of the tactile on the corner edge of the marked area.
- Slowly lay down the tactile while removing the backing sheet.
- Repeat the process until the tactiles cover the marked area.
- ❗ Adhesive backing will bond immediately.

## 4. COMPLETE INSTALLATION:

- Using a wooden block and hammer, tap the flat and then raised surface of each tactile.
- Tactiles can be walked on immediately.

# TIMBER DECKING (OUTDOOR)

❗ A 2mm gap is required between each tactile for outdoor installations

## 1. INSTALLATION SETUP:

- ❗ Timber decking must be completely dry. Poor adhesion will occur if area is not dry.
- Mark out the area to be tiled using a straight edge or chalk line allowing for a 2mm gap between each tactile.

## 2. PREPARING SURFACE AREA:

- Timber decking must be as flat as possible without any raised obstructions or undulations. If necessary, use a sander with the appropriate disc to flatten the surface.
- Remove all dust, dirt and debris with a leaf blower. Poor adhesion will occur if area is not cleaned properly.

## 3. GALVANISED SHEET APPLICATION:

- Refer to galvanised sheet instructions on page 17.

# CHECKER PLATE (INDOOR/OUTDOOR)

- ❗ A 2mm gap is required between each tactile for outdoor installations

## 1. INSTALLATION SETUP:

- ❗ Checker plate must be completely dry. Poor adhesion will occur if area is not dry.
- Mark out the area to be tiled using a straight edge or chalk line. Allow for a 2mm gap between each tactile for outdoor installations.

## 2. PREPARING SURFACE AREA:

- Grind the raised surface of the checker plate until smooth.
- Remove all dust and dirt and debris using a vacuum cleaner/leaf blower. Poor adhesion will occur if area is not cleaned properly.
- Thoroughly clean top of sheet with a clean cloth and acetone. Ensure sheet is completely dry.

## 3. TACTILE APPLICATION:

- Partially remove backing sheet 100mm from the top edge.
- Position the top edge of the tactile on the corner edge of the marked area.
- Slowly lay down the tactile while removing the backing sheet.
- ❗ For outdoor installations, a 2mm gap between each tactile is required.
- Repeat the process until the tactiles cover the marked area.
- ❗ Adhesive backing will bond immediately.

## 4. COMPLETE INSTALLATION:

- Using a wooden block and hammer, tap the flat and then raised surface of each tactile.
- Tactiles can be walked on immediately.

# GALVANISED SHEET APPLICATION

## 1. INSTALLATION SETUP:

- Read the appropriate substrate instructions at the beginning.
- Apply silicon beading around internal marked area of substrate.
- The second bead should be applied in a crisscross pattern within marked area.
- Apply a 0.55mm galvanised sheet onto marked area.

## 2. GALVANISED SHEET APPLICATION:

- Fix to bitumen/asphalt using concrete nails.
- Fix to timber decking using small countersunk external wood screws.
- Fixings should be drilled 25 – 30mm from edge of sheet to avoid the corners and edges from buckling.
- !** Do not use excessive force to secure fixings as sheet may buckle.
- Thoroughly clean top of sheet with a clean cloth and acetone. Ensure sheet is completely dry.

## 3. TACTILE APPLICATION:

- Partially remove backing sheet 100mm from the top edge.
- Position the top edge of the tactile on the corner edge of the marked area.
- Slowly lay down the tactile while removing the backing sheet.
- !** For outdoor installations, a 2mm gap between each tactile is required.
- Repeat the process until the tactiles cover the marked area.
- !** Adhesive backing will bond immediately.

## 4. COMPLETE INSTALLATION:

- Using a wooden block and hammer, tap the flat and then raised surface of each tactile.
- Apply a small bead of silicon around the perimeter and smooth off.
- Tactiles can be walked on immediately.

# H PRIMER APPLICATION

Please read instructions carefully prior to using H Primer

- ❗ Do not wait for the H Primer to dry completely as the tactiles will not bond properly and will lift after 1 day.
- ❗ When installing onto bitumen/asphalt, test an area with H Primer to ensure bitumen/asphalt solvents do not react.
- ❗ A 2mm gap is required between each tactile for outdoor installations.

## 1. INSTALLATION SETUP:

- Read the appropriate substrate instructions at the beginning.

## 2. H PRIMER APPLICATION:

- Apply masking tape around the outside of the marked area.
- Punch a small hole in the end of the H Primer sausage.
- Apply a thin and even coat of H Primer using the supplied applicator.
- Ensure substrate is evenly covered and all gaps are filled.
- Allow H Primer to go over the tape edge to achieve full coverage.
- ❗ Waiting time between scraping is dependent on the humidity and substrate type.
- ❗ H Primer will foam more on rough surfaces and less on smooth surfaces.
- ❗ Scraping of H Primer can occur up to 3 times.
- Wait 15-20 minutes for foaming to occur, and then scrape off or spread excess foaming material.
- Repeat the scraping process in 15-20 minute intervals until foaming has stopped.
- Remove masking tape and prepare installation whilst adhesive is still tacky to touch.

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# H PRIMER APPLICATION continued

## 3. TACTILE APPLICATION:

- ❗ Do not wait for the H Primer to dry completely as the tactiles will not bond properly and will lift after 1 day.
- Partially remove backing sheet 100mm from the top edge.
- Position the top edge of the tactile on the corner edge of the marked area.
- Slowly lay down the tactile while removing the backing sheet.
- ❗ A 2mm gap between each tactile is required for expansion and contraction.
- Repeat the process until the tactiles cover the marked area.

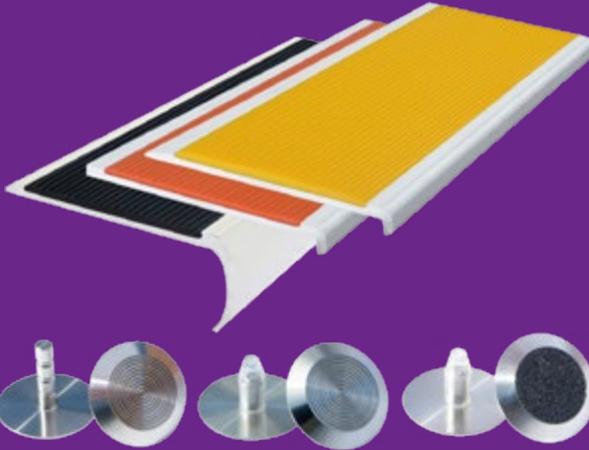
## 4. COMPLETE INSTALLATION:

- Using a wooden block and hammer, tap the flat and then raised surface of each tactile.
- ❗ After installing the tactiles allow for a curing period of 2-3 hours (a bit longer in colder weather) before walking on them.

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