INSTALLATION PROCEDURES FOR INTEGRATED TACTILES

Designed for all surface types
Indoor and Outdoor

Guardian
Tactile Systems Pty Ltd
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
INSTALLATION PROCEDURE FOR EACH SUBSTRATE

CONCRETE
4 Indoor Installation
5 Outdoor Installation

7 Exposed Aggregate (outdoor)

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CARPET
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13 Direct Installation

14 Timber/Chipboard/Plywood (indoor)
15 Timer Decking (outdoor)

16 Checker Plate (indoor/outdoor)

17 Galvanised Sheet Application

18 H Primer Application

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

+61 8 9240 1888
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.
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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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)

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)

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

1. INSTALLATION SETUP:
   1. Bitumen/asphalt must be dry for at least 1 day. Poor adhesion will occur if area is not dry.
   2. 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:
   1. 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.
   2. Remove all dust, dirt and debris with a leaf blower. Poor adhesion will occur if area is not cleaned properly.
   3. Do not install tactiles over holes. Tactiles should stop short of large gaps and then continue on other side.

3. H PRIMER APPLICATION:
   1. Refer to H Primer instructions on page 18.
BITUMEN/ASPHALT (ROUGH SURFACE)

1. INSTALLATION SETUP:

- **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**

2. PREPARING SURFACE AREA:

- **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.

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)

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 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.
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.
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.
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.
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.
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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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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PREMIUM QUALITY SAFETY PRODUCTS
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Guardian Tactile Systems Pty Ltd
+61 8 9240 1888
sales@guardiantactile.com
www.guardiantactile.com