

# Surface Applied Panel Installation Instructions



## **SUBSTRATE PREPARATION**

1. Concrete substrate must be fully cured prior to application of surface applied panels.
2. Bonding surfaces should be clean, dry, and free from all contamination that may inhibit the adhesive's performance. Use a wire brush to remove any dirt and loose surface material. A cup grinder can be used to smooth and level any irregular surfaces. Clear dust and debris with a broom or powered blower.
3. Substrate temperature must exceed 40°F (4°C) during installation and should be maintained above freezing for 7 days to allow adhesive to cure properly.

## **LOCATE PANEL ON SUBSTRATE**

1. Place panel onto substrate where it is to be installed. Locate the panel corners with a marker or masking tape. Note: When installing multiple panels in a series, provide a 1/8 inch space between panels to allow for expansion.
2. Remove the panel from its location and apply tube adhesive to the backside of the panel. Maintain tube adhesive at room temperature before using.
  - a. Apply a 3/8 inch bead of adhesive (supplied with panel) continuous around the perimeter located at approximately 1 inch from the outer edge of the panel (Figure 1).
  - b. Apply a 3/8 inch bead of adhesive centered along the 2-1/2 inch wide flat ribs at the interior areas of the panel in a picture frame pattern.
  - c. Apply additional 3/8 inch rows of adhesive so that there is a maximum of 12 inches between rows.
  - d. Place panel at installation location and apply moderate pressure to nest adhesive between panel and substrate.

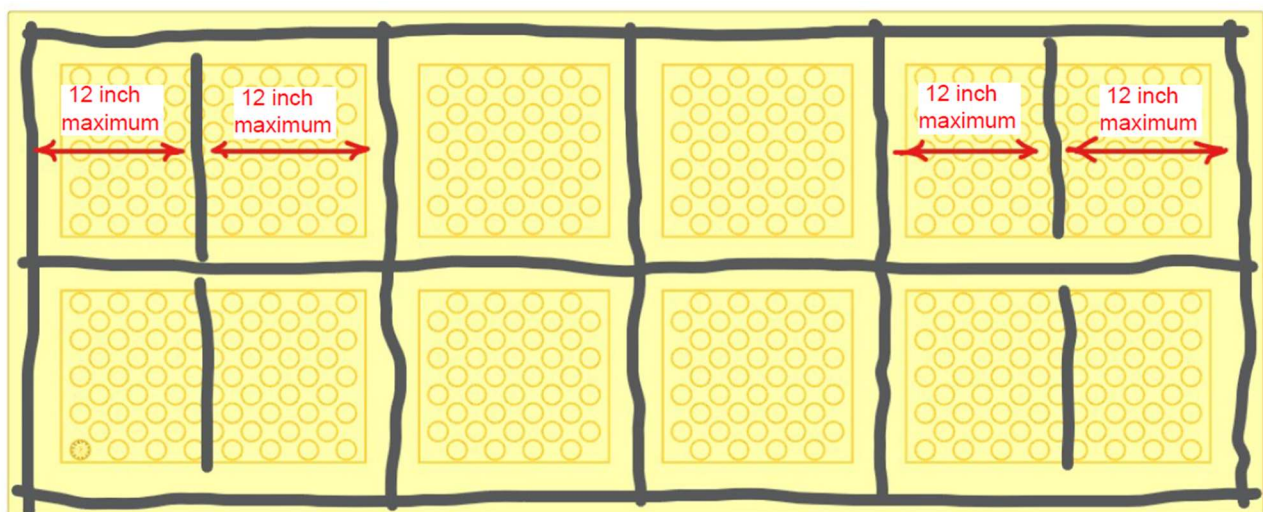


Figure 1: Bottom view of 2x5 Surface Applied panel with adhesive applied.

## **INSTALLATION OF FASTENERS**

1. While standing on panel to hold it in place, drill a 1/4 inch diameter hole through the fastener locations (domes with countersunk holes) into the concrete at a minimum depth of 2 inches.
2. Insert composite sleeve anchors into the holes and hammer drive pin flush with top of dome. Begin at locations near the middle of the panel and progress towards the outer perimeter.
3. Additional fastener locations may be required to correct irregular surfaces or replace fastener locations that were removed during field cutting of panels to size. Fasteners should be installed at all corner locations and at maximum 12 inches on center along the perimeter row of domes. Use a countersink drill bit to create a recess in the top of a dome for the new fastener location.
4. Remove drilling dust and debris from panel surface once all fasteners are installed.

**PERIMETER SEALANT INSTALLATION**

1. Remove any dust and debris from around the perimeter edge of the panels.
2. Apply a continuous 1/4 inch diameter bead of sealant around the perimeter of the tile. Tool the sealant along the perimeter to a smooth even slope along the edge of the panel taking care not to leave any gaps.

<b>TUBE ADHESIVE REQUIREMENTS</b>	
<b><u>Panel Sizes</u></b>	<b><u>Required Adhesive</u></b>
<b>1'x1'</b>	<b>1 Tube for 8 Tiles</b>
<b>2'x2' / 2'x3' / 2'x4' / 2'x5'</b>	<b>1 Tube</b>
<b>3'x4' / 3'x5'</b>	<b>2 Tubes</b>

*NOTE: Installation over asphalt is not recommended or warranted.*

Please contact **ADA Solutions** at 800-372-0519 for any additional information.