



# Ultra-ADA Pad, Urethane Model

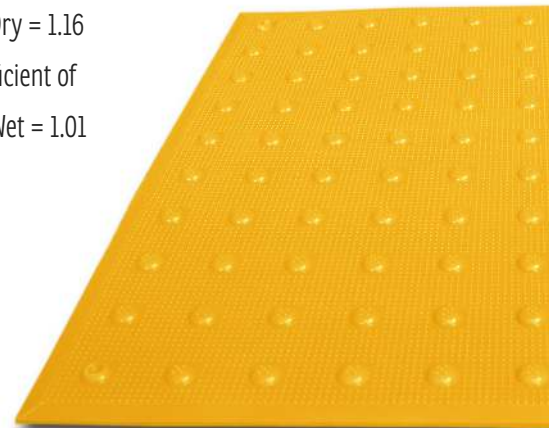
## Specifications

### KEY FEATURES AND BENEFITS

- + Available in four (4) sizes: 2' x 2', 2' x 3', 2' x 4' and 2' x 5'.
- + Safety yellow color assists people with severe visual impairment. Black, brick red and safety red also available.
- + Flexible construction forms to fit dips, slopes and inclines in sidewalks and walkways.
- + Better slip resistance than composites.
- + Better impact resistance than composites.
- + UNBREAKABLE.
- + Ultra-ADA Pads are designed for the visually impaired to feel the raised, truncated domes with their feet. This, in combination with the tapping cane, can alert them to a different surface than the surrounding concrete sidewalk and an upcoming intersection.
- + Installs quickly and easily using adhesive and anchors (included). Flexible construction forms to fit dips, slopes and inclines in sidewalks and walkways.

Part#	0750, 0751, 0752, 0753, 0756, 0757, 0758, 0759, 0760, 0761, 0762, 0763, 0765, 0766, 0767, 0768
Dimensions ft. (mm)	2 x 2 (610 x 610), 2 x 3 (610 x 914), 2 x 4 (610 x 1,219), 2 x 5 (610 x 1,524)
Material	Flexible Urethane
Precautions	Product must be installed on dry surfaces Product should be installed at temperatures between 40° F (4° C) to 100°F (38° C)
Recommended Maintenance	Power washing approximately every six months

Test	ASTM Test Method	Value
<b>Weatherometer Exposure</b>	G155-05a	200 hours – no cracks
<b>Corrosion Resistance</b>	B117-07	200 hours – no corrosion or change in appearance
<b>Tensile</b>	D412-06a	Elongation at break, 400%
<b>Abrasion Resistance</b>	D4060-07	Ave Wt Loss, L 143.7 mg Ave Wear Index, I 144
<b>Abrasion Resistance</b>	C-501	1000 Cycles WI 292 2000 Cycles WI 336
<b>"Slip Test"</b>	C-1028-07	Static Coefficient of Friction – Dry = 1.16 Static Coefficient of Friction – Wet = 1.01





## Ultra-ADA Pads<sup>®</sup> Urethane

### General Conditions Required For Proper Installation

- + Product should be installed at temperatures between 40°F (4°C) to 100°F (38°C).
- + Product must be installed on dry surfaces.

### Step 1: Pedestrian Safety:

Create a barricade to pedestrian traffic so the Ultra-ADA Pads can be safely installed and allowed to cure two hours for green cure (cannot peel off) before allowing foot traffic on the installed product.



### Step 2: Surface Preparation:

Use a stiff bristle brush or broom to remove any dirt from the surface. Surfaces should be free from grease, oil, water/condensation, and other contaminants that may affect the sealing of the adhesive. We recommend you use a wire brush, grinding, sandblasting or other similar methods to remove contaminants if necessary. Any divot or depression larger than 1" in diameter should be repaired. Also, any crack/hole that could compromise the seal of adhesive around the perimeter of the pads should be repaired. If this is a newly poured concrete structure, make sure the concrete has cured for a minimum of 21 days. Product should be installed at temperatures between 40°F (4°C) to 100°F (38°C).



*Warning: Concrete cures contain wax which will prevent a proper bond with the Ultra-ADA Pad adhesive. UltraTech cannot be responsible for the application of its pads to concrete surfaces that have concrete cure on them. Please grind off or remove all concrete cure prior to pad installation. Taping off the sections of the sidewalks where the pads are to be placed to prevent the cure from being applied to the pad sealing area is another means to prevent cure in the pad sealing area.*

### Step 3: Template:

Place the Ultra-ADA Pad(s) in the desired location. Using the Pad as a template, make a chalk outline on the ramp/sidewalk area. If placing two Pads together, leave a 1/4" (6.5 mm) gap between Pads to allow for expansion.



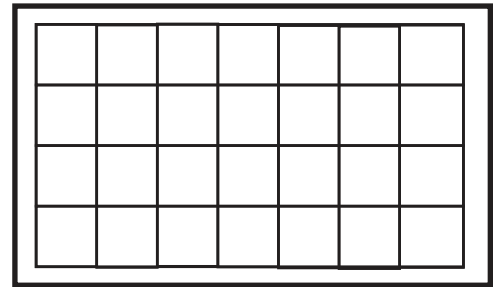
**Step 4: Applying Adhesive:** Use supplied adhesive/sealant

1. Flip the Pad over so the bottom is facing up in preparation for applying the adhesive.
2. Cut the plastic tip to allow a 1/8" inch bead to be applied. Remember to puncture the seal in the spout before placing in the caulking gun.
3. Apply the adhesive around the perimeter of the Pad approximately 1/4 inch from the edge. It is CRITICAL that the bead be 100% complete (no gaps) as this bead will be sealing off water from getting under the Pad as well as sealing the perimeter to the sidewalk surface.
4. Apply the adhesive every three inches in a cross pattern across the entire Pad. (See diagram below) You should use approximately one and a quarter ounces of adhesive per square foot of Pad material.



**Step 5: Placing the ADA Pad:**

Carefully turn over the Pad in the pre-laid position. You can wipe off any excess adhesive using a rag dampened with MEK, Acetone, or other suitable solvents after the installation.



**Step 6: Achieving Good Adhesive Contact:**

Using 1 foot square section of 1/4" to 1/2" thick plywood, lay the plywood flat onto the truncated domes and begin applying pressure to the middle of the Pad, working towards the edges. Use the narrow edge of the plywood to apply pressure around the perimeter of the Pad. Some adhesive should "bubble out" around the edges. This forms a bead around the perimeter which seals against moisture. Make sure all parts of the Pad have made sufficient contact with the concrete to allow the adhesive to bond to both the Pad and the concrete.



**Step 7: Anchoring:**

The supplied concrete anchors are to be installed in the recessed domes. After the ADA Pads have been installed and the adhesive has set, using a 1/4" masonry (carbide tipped) bit, drill 2 1/2-3" through the recessed domes and into the concrete. Place the anchors into the holes and tap them in with a hammer. (Note: Installing the anchors is a two-step process: First tap in the plastic anchors followed by the metal nail.) Tap in until anchors are flush with surface.

*TIP: Cement blocks or sand bags can be used during the curing process if desired. Cured adhesive can be removed with a sharp razor knife. While the adhesive is still wet, excess adhesive can be removed with 3M citrus based remover, 3M scotch-grip solvent No. 3 or methyl ethyl ketone (MEK). If removing excess adhesive (non-cured), take care not to get any solvents under the pad.*



## ALABAMA DEPARTMENT OF TRANSPORTATION

Bureau of Research and Development  
1409 Coliseum Boulevard, Montgomery, Alabama 36130-3050  
Phone: (334) 353-6940 FAX: (334) 353-6950  
Internet: <http://www.dot.state.al.us>



Bob Riley  
Governor

Joe McInnes  
Transportation Director

June 30, 2008

Mr. Dale Shaw  
Ultratech International, Inc.  
11542 Davis Creek Court  
Jacksonville, FL 32256

Re: PEB 2001: Ultra-ADA Pads

Dear Mr. Shaw:

On June 30, 2008, the Alabama Department of Transportation, Product Evaluation Board (PEB) reviewed your request for product approval. The Board approved the DWT-Detectable Warning Tile for addition to List II-25, Detectable Warning Devices in the Department's Materials, Sources and Devices with Special Acceptance Requirements Manual.

Thank you for the submittal of your product. If you have additional questions please contact Mr. Jeffery Brown or Ms. Michelle Owens at (334) 353-6940.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lamar S. Woodham, Jr.".

Lamar S. Woodham, Jr.  
Chairman, Product Evaluation Board

LSW/JWB/JMO

C: Jeffery Brown, Research & Development Engineer



# Florida Department of Transportation

CHARLIE CRIST  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

STEPHANIE C. KOPELOUSOS  
SECRETARY

**CERTIFIED MAIL**

August 6, 2008

Mr. Michael McGregor  
UltraTech International Incorporated  
11542 Davis Creek Court  
Jacksonville, FL 32256

**RE: Ultra-ADA-Pad (Wet Set)  
Specification 527  
QPL Number S527-0024**

Dear Mr. McGregor:

Evaluation of the above referenced product is complete. Results of the evaluation indicate the product meets the requirements of the above referenced specification and is therefore approved for inclusion on the Qualified Products List (QPL) and use on our projects. The Department assumes no responsibility for the performance of this product.

Any modifications or alterations of an approved product including design, materials, or operational improvements, must be resubmitted along with supporting documents for review and approval by the Department of Transportation. Changes in your address should be made to this Office within 30 days.

You are also required to re-qualify this product on or before its approval anniversary date as identified on the QPL in accordance with current Transportation Product Evaluation Procedure. This product will be removed from the QPL if inadequate field performance is documented in accordance with Department policy and procedure or if the product is altered in any way without notifying this office.

Any questions regarding this correspondence should be directed to Karen Byram, Product Evaluation Administrator at (850) 414-4353.

Sincerely,

Duane F. Brautigam, P.E.  
Manager, Specifications and Estimates Office

DB/bs



# Florida Department of Transportation

CHARLIE CRIST  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

STEPHANIE C. KOPELOUSOS  
SECRETARY

**CERTIFIED MAIL**

August 6, 2008

Mr. Michael McGregor  
UltraTech International Incorporated  
11542 Davis Creek Court  
Jacksonville, FL 32256

**RE: Ultra-ADA-Pad (Surface Mount)  
Specification 527  
QPL Number S527-0023**

Dear Mr. McGregor:

Evaluation of the above referenced product is complete. Results of the evaluation indicate the product meets the requirements of the above referenced specification and is therefore approved for inclusion on the Qualified Products List (QPL) and use on our projects. The Department assumes no responsibility for the performance of this product.

Any modifications or alterations of an approved product including design, materials, or operational improvements, must be resubmitted along with supporting documents for review and approval by the Department of Transportation. Changes in your address should be made to this Office within 30 days.

You are also required to re-qualify this product on or before its approval anniversary date as identified on the QPL in accordance with current Transportation Product Evaluation Procedure. This product will be removed from the QPL if inadequate field performance is documented in accordance with Department policy and procedure or if the product is altered in any way without notifying this office.

Any questions regarding this correspondence should be directed to Karen Byram, Product Evaluation Administrator at (850) 414-4353.

Sincerely,

Duane F. Brautigam, P.E.  
Manager, Specifications and Estimates Office

DB/bs



BOBBY JINDAL  
GOVERNOR

STATE OF LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

P.O. Box 94245  
Baton Rouge, Louisiana 70804-9245  
www.dotd.la.gov  
225-248-4131



WILLIAM D. ANKNER, Ph.D.  
SECRETARY

October 14, 2008

ULTRA ADA PAD

Mr. Sam Bates  
Product Manager  
Ultratech International, Inc.  
11542 Davis Creek Ct.  
Jacksonville, FL 32256

Dear Mr. Bates:

The Louisiana Department of Transportation and Development received your package for NPE evaluation on the above referenced product.

The Department does not have a QPL established at this time for this type product. Attached are copies of the Louisiana Department of Transportation and Developments Standard Specifications for Concrete Walks, Drives and Incidental Paving. Truncated domes must also meet the required specifications for detectable warnings in accordance with the Americans with Disabilities Act, 28 CFR Part 36, ADA Standards for Accessible Design. These standards are further described in the American with Disabilities Act Accessibility Guidelines (ADAAG), Section 4.29.2.

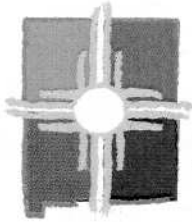
It is the Committee's findings that if your product complies with the above referenced specifications, it is approved for use by the Department.

Thanks you very much for submitting your product for our consideration.

Sincerely,

  
J. BERTIN WINTZ, P.E.  
NEW PRODUCT EVALUATION COORDINATOR

TKT:jbw  
Attachment  
Cc: Mr. Jason Davis



*New Mexico* DEPARTMENT OF  
**TRANSPORTATION**  
MOBILITY FOR EVERYONE

June 24, 2008

Samuel Bates  
UltraTech International, Inc.  
11542 Davis Creek Court  
Jacksonville, FL 32256

Re: Ultra ADA Pads – Surface Mount (Retrofit)

Specification #: 608

File no: 608-08-176(1)

Dear Mr. Bates:

The Product Evaluation Program or a designee considered the merits of your product and approved the product stated above. It will be your responsibility to inform all potential users (i.e., contractor and this Department) of your product.

The purchase of your product is subject to State procurement procedures. For more information visit the website at <http://www.state.nm.us/spd>.

The approval of your product is no guarantee that it will be used in a construction/maintenance project. The approval is withdrawn if your product fails to perform according to the manufacture's statement and the performance criteria.

If you have any questions feel free to call our office at (505) 476-3116.

Thank you for your submittal and patience.

Sincerely,

Jeff Lowry, PE  
Product Evaluation Engineer

Cc: Dennis Ortiz

**Bill Richardson**  
Governor

**Rhonda G. Fought P.E.**  
Cabinet Secretary

Commission

**Johnny Cope**  
Chairman  
District 2

**David Schutz**  
Vice Chairman  
District 5

**Gregory T. Ortiz**  
Secretary  
District 6

**Norman Assed**  
Commissioner  
District 3

**Jim Franken**  
Commissioner  
District 4

**John Hummer**  
Commissioner  
District 1





**Oklahoma Dept. of Transportation**  
200 NE 21st Street  
Oklahoma City, OK 73105-3204

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October 13, 2008

Ultra Tech International, Inc.  
11542 Davis Creek Ct.  
Jacksonville, FL 32256

**TNPE # T-08-0046 - Ultra ADA Pads (Retrofit) - Polyurethane detectable warning pads which comply with the Americans with Disabilities Act (ADA), 49 CFR 37.9, Appendix A, Section 4.29.2 Detectable warnings on walking surfaces**

Dear Sam Bates:

The New Products Evaluation Committee has considered the merits of the above referenced product and voted to approve it for use on Oklahoma State Highway projects based on:

- Meets or exceeds ODOT Specifications; 830

It will be your responsibility to inform all potential users (i.e., contractors municipalities, and this department) about your product. The purchase of your product by the Department is subject to state procurement procedures.

The approval of your product is no guarantee that it will be used on a construction/maintenance project. The approval is withdrawn if your product fails to perform according to the manufacturers statement and the performance criteria.

This office must be notified of manufacturing changes that may alter this product in any way.

Thank you for your submission. If you have any questions, please contact E.W. "Red" Miller at 405-521-2864.

Sincerely,

  
Harold R. Smart, P.E.  
Chief Traffic Engineer

cc. Construction Engineer  
Maintenance Engineer  
Materials Engineer  
Field Division Engineers  
File



**STATE OF TENNESSEE**  
**DEPARTMENT OF TRANSPORTATION**  
DIVISION OF MATERIALS AND TESTS  
6601 CENTENNIAL BOULEVARD  
NASHVILLE, TENNESSEE 37243-0360

**GERALD F. NICELY**  
COMMISSIONER

**PHIL BREDESEN**  
GOVERNOR

June 26, 2008

Mr. Sam Bates  
Ultra Tech International, Inc.  
11542 Davis Creek Ct.  
Jacksonville, FL 32256

RE: PE-08077 Ultra-ADA Pads and PE-08078 Ultra-ADA Pads Wet-Set

Mr. Bates:

The Department has completed its review of the above referenced products submitted for approval to the Tennessee Department of Transportation. Ultra-ADA Pads and Ultra-ADA Pads Wet-Set meet the Department's requirements as an alternate to TDOT Standard Drawing RP-H-3 and therefore will be added to the Department's Qualified Products List 37.

If you have any questions you can call 615-350-4177 or e-mail [Rick.Winters@state.tn.us](mailto:Rick.Winters@state.tn.us).

Sincerely,

A handwritten signature in black ink that reads "Rick Winters".

Rick Winters  
Materials Associate II  
Research and Product Evaluation