COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3563-13

Product Evaluation Coordinator
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

Material code: 608.02.03.00

FOR INTERNAL CDOT USE

Material code description full name: ADA Truncated Dome

PART 1

Product name: Radius Tactile, Surface Mount

Product category: Pedestrian Safety\ADA Truncated Dome\Retrofit

Product representative (name & address):
Attn: Rob Doherty
ADA Solutions, Inc.
10 Elizabeth Drive, Unit 5
Chelmsford, MA 01824
Phone: (800) 372-0519 FAX: (978) 262-9125

Manufacturer (name & address):
Attn: Scott Ober
ADA Solutions, Inc.
10 Elizabeth Drive, Unit 5
Chelmsford, MA 01824
Phone: (800) 372-0519 FAX: (978) 262-9125

Web-site address: www.adatile.com

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

ADA Solutions' Radius Tactile, Surface Mount are composite surface applied panels. Our panels are a homogenous fiberglass and carbon reinforced composite which is colorfast and UV stable. Our truncated domes are fiberglass reinforced for enhanced durability. The color of the TWS panel is uniform throughout and does not rely on any type of paint or coating to achieve it's finish or color stability. Colors: Federal Yellow, Brick Red, Clay Red, Safety Red, Blue, Dark Gray, Black. The Radius Replaceable panel is 24" wide x 33.25" pre-formed to accommodate a radius application, measures 3/16" thick, and come in 2.35" dome spacing. Panels can be custom cut to fit field conditions with pre-scored 10', 15', and 20' radii. Each TWS Panel has 16 pre-formed fastener locations. Surface Mount Radius Tactile Panels shall be mechanically fastened and adhered to the underlying substrate with a one part structural urethane adhesive.

Compressive strength: 28,900 psi; Flexural strength: 29,300 psi; Slip Resistance: 1.18 Dry / 1.05 Wet; Tensile strength: 11,600 psi; Freeze / Thaw / Heat: No Disintegration

Restrictions, (installation and/or use):

This product is for application on top of existing cured concrete substrate, it is not intended for asphalt applications.

Use of the product, (be specific to CDOT highway activities only):

Truncated dome panels are for the visually impaired warning of danger at curb ramps, transit platforms, and other hazardous areas as per the ADAAG.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):

All of our products are fiberglass and carbon reinforced for superior structural integrity and impact resistance. The color is homogenous throughout and UV stable with a matte finish for superior wear and slip resistance performance as compared to others with a high gloss finish. Long lasting panels backed by a full five year warranty. We maintain an extensive on hand inventory and products are usually shipped the same day a PO is received. All of our surface mount radius panels are shipped with the proper amount of anchors and adhesive.

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):

- [x] CDOT : M-608-1
- [x] ASTM : D 695, D 790, D 570, D 1028, E 84, B 117, 1308, C 501, G 155, D 638, C 1026
- [x] AASHTO : H 20
- [ ] FHWA :
- [ ] other :

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):

- [ ] NTPEP-AASHTO :
- [ ] FHWA :
- [x] other : Smith-Emery Laboratories (9-22-2006), SGS (2-09-2006 to 9-30-2006),
- [x] other : KTA-Tator, Inc. (2-13-2008), MTI (5-02-2008), Plastics Technology Laboratories (10-20-2006 to 4-16-2007)

State DOT Approvals, (current documentation required):

AZ, CA, ID, NE, NM, OK, TX, UT

Sample submitted: [x] yes [ ] no [ ] n/a

Materials Safety Data Sheets (MSDS): [x] yes [ ] no [ ] n/a

Notes/Additional Comments

A sample is available upon request at no cost to the DOT.