COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3559-13

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: ACO SideWalk DWD

Product category: Pedestrian Safety\ADA Truncated Dome\Embedded

Product representative (name & address):
Attn: Jeff Nielsen
ACO Polymer Products
P.O. Box 12067
Casa Grande, AZ 85122
Phone: (520) 421-9988 FAX: (520) 421-9899

Manufacturer (name & address):
Attn: Jeff Nielsen
ACO Polymer Products
825 W. Beechcraft St.
Casa Grande, AZ 85122
Phone: (520) 421-9988 FAX: (520) 421-9899

Web-site address: www.acousa.com

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

ACO SideWalk DWD is a ADA compliant detectable warning device made of polymer concrete. Wet-set applications only. Replaceable version available.
Heritage Tile: Appearance of fired bricks. Dimensions: 24" x 12" and 24" x 24". Available in Red.
VersaTile: Benefit of BruteTile but at reduced weight and enhanced anchoring system. Dimensions: 24" x 12" and 24" x 24". Available in Gray, Black, Red or Yellow.
BruteTile: Unmatched durability for heavy duty environments. Dimensions: 24" x 12" and 24" x 24". Available in Gray, Black, Red or Yellow.

Compressive Strength - 14,000 PSI
Tensile Strength - avg > 1,900 PSI
Flexural Strength - min 4,000 PSI
Density - 150 lb. per cu. ft.
Water Absorption - .07%
Freeze/Thaw - 1600 cycles - no change
Chemical Resistance - Pass
Slip Resistance - .96 / Wear Resistance - .02

Restrictions, (installation and/or use):
Cast-in-place (wet-set) only. No surface applied version available.

Use of the product, (be specific to CDOT highway activities only):
To comply with ADA guidelines on sidewalk curb ramps, platform edges, and other pedestrian right-of-ways.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
ADA compliant, fast and easy installation, extreme durability, competitively priced, replaceable and brick pattern versions available. 14000 PSI Polymer Concrete construction. Product utilizes the exclusive ACO Anchor DWD anchoring system.

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

- [x] CDOT : M-608-1
- [x] ASTM : C 97-96, C 307, C 501, C 579, C 580, C 1028, D 543, C 666
- [ ] AASHTO :
- [ ] FHWA :
- [ ] other :

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

- [ ] NTPEP-AASHTO :
- [ ] FHWA :
- [x] other : Nelson Testing Laboratories (4-15-2010), PSI (4-03-2003) (4-26-2007)
- [x] other : Stork Materials Technology (8-21-2008) (7-22-2010)

State DOT Approvals, (current documentation required):
Alabama, Arizona, Florida, Georgia, Missouri, Nevada, New York, Ohio, Texas

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

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

Notes/Additional Comments