

Pre-Approved Product Evaluation Request & Summary

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

APL Reference No.

5775-25

Part 1

Material Code

630.07.01.00

Material Code description full name

Traffic Zone, Barrier (Temp)

Product Name:

Ape Barrier

Product category:

Roadway Safety\Barrier, Temp\Non-Concrete

Product Representative / Distributer (name & address):

David Valz

Manufacturer (name & address):

Archie Scott III

Asynt Solutions

129 Colby Farm Drive

Kenly, NC. 27542

Asynt Solutions

1167 Treehaven Lane

Columbus, OH 43204

Phone: (614) 787-8857 E-mail dvalz@asyntsolutions.com

Website address

<https://www.asyntolutions.com/ape-barriers>

Phone: (937) 561-4886 E-mail: ascott@asyntsolutions.com

Website address

<https://www.asyntolutions.com/ape-barriers>

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

The Ape Barrier is a MASH TL-3 accredited longitudinal barrier that is comprised of E-glass Fiber Reinforced Polymer (FRP/Fiberglass). The high strength-to-weight ratio of this material allows the barriers to be very light, and yet very strong, providing equivalent or better protection than a precast concrete barriers. The material is also inert to salt and roadway de-icing chemicals, extending the usable life to more than 25 years.

Restrictions, (installation and/or use):

N/A

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

50lb/ft, 864ft/truck, 20in base width, 24ft standard length, 25 year expected life, 87% reduction in carbon emissions from transport compared to concrete barriers.

Specifications: (listing those applicable is required.)

- ☒ CDOT 630.07
☐ AASHTO
☐ ASTM
☒ Other Mash TL-3
☒ Other MUTCD 6F, 85, 2009

☐ Certificate of Compliance

☐ Certificate of Verification

Product Testing: (National/independent laboratories or universities with Report Date.) A certified Test Report (CTR) is provided to validate all claims.

- ☐ AASHTO PEAS (NTPEP)
☐ ASTM
☒ Other Calspan LLC, Test Date: 4/29/24 and 5/1/24, Report Date 5/10/24
☐ Other
☐ Other

State DOT Approvals: PA,MA,TX

Expiration Date 5 Year Cycle 08/04/2030

Sample Submitted ☐ Yes ☒ No ☐ N/A

Safety Data Sheets (SDS): ☒ Yes ☐ No ☐ N/A

Alternate Product Category

CDOT Restrictions as per CDOT Approving Authority

For temporary workzone traffic control use only. Approved for Limited Deflection (LDS) Installation and Minimum Deflection (MDS) Installation.

LDS: Dynamic Deflection - 10.2 inches, Working Width - 30.2 inches. MSD Dynamic Deflection 2.4 inches, Working Width 22.4 inches. Can be used with TAU-M and ABSORB M Crash Cushion. Contact manufacturer for drawings and additional information.

Shall not be installed in dirt or earthen soils. THE APE System is to be assembled, installed and refurbished in accordance with Asynt's installation manual, shop drawings, barrier damage guide and other specifications.

Evaluators Signature:

David L. Kosmiski

Digitally signed by David L. Kosmiski
Date: 2025.08.04 14:07:01 -06'00'