

Pre-Approved Product Evaluation Request & Summary

CDOT USE ONLY
5693-24

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

Material Code

711.02.01.00 CDOT Use Only

Material Code description full name

Concrete, Admixture CDOT Use Only

Part 1

Product Name:

EdenCrete Pz7

Product category:

Concrete\Admixture\Specific Performance

Product Representative / Distributer (name & address):

Beau Radovich

Manufacturer (name & address):

Trevor Ley

Eden Innovations LLC
12395 Mead Way
Littleton, CO 80125

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12395 Mead Way
Littleton, CO 80125

Phone: (303) 319-4276 E-mail: bradovich@edeninnovations.com

Phone: (303) 468-1705 E-mail: tley@edeninnovations.com

Web-site address: www.edencrete.com

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

Carbon nanotube infused black liquid admixture for concrete with or without pozzolanic cementitious material. Solids content: (carbon nanotubes) <5%; 62-71% as measured by "residue by oven drying (liquid admixtures)" as described in ASTM C494. Specific gravity: 1.02-1.06. Viscosity (temperature dependent): 550 cP @ 20°C. pH: 9.5-11.5 (1% solution of EdenCrete Pz7 in deionized water). Composition: Carbon nanotubes, Component 1*, Component 2*, Component 3* (*withheld as a Trade Secret)

Restrictions, (installation and/or use):

Avoid extremely high or low temperatures until mixed into concrete. Do not store in direct sunlight. Do not aerosolize.

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

Mainline paving, repair mixes, bridge components, and in any concrete where greater strength and durability is required. Decrease life-cycle costs by potentially reducing cement content or increasing pozzolanic replacement of cement by boosting strength and durability of placed concrete. Performs well in freeze-thaw environments when concrete is exposed to deicing salt or other chemicals, as well as in highly abrasive environments.

Specifications: (listing those applicable is required)

- CDOT : 711.03
- ASTM : C494
- AASHTO: M194
- FHWA :
- other :
- Certificate of Compliance (COC) provided Certificate of Verification (COV) provided for select categories

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

- AASHTO-PEAS (NTPEP) : CADD-2021-01-181
- FHWA :
- other :
- other :
- other :

State DOT Approvals:

Expiration Date 4 Years CDOT use 05/06/2028

Sample Submitted Yes No N/A Safety Data Sheets (SDS): Yes No N/A

Alternate Product Caegory

CDOT Restrictions as per CDOT Approving Authority

Evaluators Signature:

CDOT use Only	
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