

# Pre-Approved Product Evaluation Request & Summary

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

APL Reference No.

CD5946-25 Only

Material Code

601.03 CDOT Use Only

Material Code description full name

Concrete, Macro Fiber CDOT Use only

## Part 1

Product Name:

SikaFiber 820 Stealth TW / 4.0 pcy Dosage Rate

Product category:

Concrete / Fiber / Macro Fiber

Product Representative / Distributer (name & address):

Carl Labbe

Sika Corporation - Chattanooga Plant  
4019 Industry Drive  
Chattanooga TN 37416

Manufacturer (name & address):

Carl Labbe

Sika Corporation - Chattanooga Plant  
4019 Industry Drive  
Chattanooga TN 37416

Phone: (423) 240-9448 E-mail labbe.carl@us.sika.com

Website address

www.usa.sika.com

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

SikaFiber 820 Stealth TW is a macro synthetic reinforcing fiber for concrete. SikaFiber 820 Stealth TW is 100% virgin copolymer fiber designed to provide uniform three-dimensional reinforcement system. Specifically engineered to replace traditional, secondary reinforcement like WWF (welded wire fabric) and various light gauge rebar configurations. SikaFiber 820 Stealth TW is manufactured in an ISO 9001 certified manufacturing facility located in Chattanooga TN. Typical applications include; Paving, Bridge Decks, Overlays, Shotcrete, Slab on Ground, Precast and Channel Linings

Gray color, twisted bundles, oval cross section with self-fibrillating characteristics, high tensile strength (80 - 90k psi), 0.45mm equivalent diameter average, 1.5' fiber length, Modulus (7-9 GPa)

**Restrictions, (installation and/or use):**

Store in dry, protected environment. Limited to structurally redundant applications - paving, bridge decks, overlays, etc.

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

Bridge decks, bridge railing, road barriers, sidewalks, overlays, paving, precast, shotcrete

**Specifications: (listing those applicable is required.)**

<input checked="" type="checkbox"/> CDOT	601.03
<input type="checkbox"/> AASHTO	
<input checked="" type="checkbox"/> ASTM	C1116, D7508, Test Methods: C1609
<input type="checkbox"/> Other	
<input checked="" type="checkbox"/> Other	ACI 544, 360, 506, 302, 343, 325

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.

<input type="checkbox"/> AASHTO Product Evaluation & Audit Solutions (NTPEP)	
<input type="checkbox"/> ASTM	
<input checked="" type="checkbox"/> Other	UL Certification
<input checked="" type="checkbox"/> Other	SGS-TEC Laboratory (ASTM C1609)
<input type="checkbox"/> Other	

State DOT Approvals:

Expiration Date 4 Year Cycle 12/03/2029

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

**Signature is only required if there are CDOT Restrictions as per CDOT Approving Authority**

CDOT Use Only

**Evaluators Signature:**

CDOT use only