

Pre-Approved Product Evaluation Request & Summary

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

APL Reference No.

5201-25

Material Code

711.02.01.00

Material Code description full name

Concrete, Admixture

Part 1

Product Name:

Penetron Admix SB

Product category:

Concrete\Admixture\Specific Performance

Product Representative / Distributer (name & address):

Cassandra Gouws

Penetron USA, Inc.
45 Research Way, Suite 203
East Setauket, NY 11733 USA

Manufacturer (name & address):

Christopher Chen

Penetron International, Ltd
601 S Tenth St, Unit 300
Allentown, PA 18103, USA

Phone: (631) 835-6677 E-mail: cgouws@penetron.com

Website address
www.penetron.com

Phone: (631) 941-9700 E-mail: cchen@penetron.com

Website address
www.penetron.com

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

Penetron Admix SB is a crystalline waterproofing admixture (a.k.a. hydrophilic permeability reducing admixture for hydrostatic conditions - PRAH) added to concrete during batching. Penetron Admix SB treated concrete will self-heal and seal all pores, capillaries, and cracks up to 0.5mm (1/51"), resulting in a more durable concrete matrix with decreased permeability, waterproofing properties, corrosion mitigation, and an extended service life. These properties are permanent for the service life of the concrete, remaining dormant until activated by the presence of water which may be introduced as a result of new cracks or mechanical damages. Penetron Admix SB is suited for use in cast-in-place, precast, and shotcrete applications. Penetron Admix SB conforms to the requirements of ASTM C494 Type S.

Restrictions, (installation and/or use):

Store product in a dry environment at a minimum temperature of 45°F. Properly stored product has a shelf life of 24 months.

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

Provides waterproofing & durability properties by reducing permeability of concrete used in various applications such as tunnels, subways, reservoirs / containment, and parking structures.

Specifications: (listing those applicable is required.)

<input checked="" type="checkbox"/>	CDOT	711.02
<input checked="" type="checkbox"/>	AASHTO	M194 Type S
<input checked="" type="checkbox"/>	ASTM	C494 Type S
<input type="checkbox"/>	Other	
<input type="checkbox"/>	Other	

☒ 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 checked="" type="checkbox"/>	AASHTO Product Evaluation & Audit Solutions (NTPEP)	CADD-2020-01-063
<input type="checkbox"/>	ASTM	
<input type="checkbox"/>	Other	
<input type="checkbox"/>	Other	
<input type="checkbox"/>	Other	

State DOT Approvals: [Caltrans](#), [PennDOT](#), [TNDOT](#), [LADOTD](#)

Expiration Date: [4 Year Cycle](#) [05/15/2029](#)

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

Alternate Product Category

CDOT Restrictions as per CDOT Approving Authority

Evaluators Signature: