

# Pre-Approved Product Evaluation Request & Summary

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

APL Reference No.

5977-26

Material Code

711.02

Material Code description full name

Concrete, Admixture

## Part 1

Product Name:

Mapeshield CI 320

Product category:

Concrete\Admixture\Corrosion Inhibitor

Product Representative / Distributer (name & address):

Adrian Milewski

MAPEI

2155 High Hill Road

Logan Township NJ

08085

Manufacturer (name & address):

Mapei Corporation

MAPEI

2155 High Hill Road

Logan Township NJ

08085

Phone: (856) 883-9272 E-mail a.milewski@mapei.com

Website address

www.mapei.com

Phone: (856) 883-9272 E-mail: a.milewski@mapei.com

Website address

www.mapei.com

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

Mapeshield™ CI 320 [NA] is a water-based, chemical admixture that is utilized to reduce the effects of corrosive ions from attacking reinforcing steel in concrete. Mapeshield CI 320 [NA] works on both anodic and cathodic corrosion and creates an ionic change that would typically cause corrosion to the embedded reinforcing steel.

Restrictions, (installation and/or use):

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

- Prolongs the service life of structures and the need for corrosion-based repairs
- Reduces the potential of de-icing salts to corrode reinforcing steel
- Neutral effect on plastic and hardened properties of concrete, including a reduction in linear drying shrinkage

Specifications: (listing those applicable is required.)

<input checked="" type="checkbox"/>	CDOT	711.02
<input type="checkbox"/>	AASHTO	
<input checked="" type="checkbox"/>	ASTM	C 1582
<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-2025-01-145
<input checked="" type="checkbox"/>	ASTM	C 1582
<input type="checkbox"/>	Other	
<input type="checkbox"/>	Other	
<input type="checkbox"/>	Other	

State DOT Approvals:

Expiration Date 4 Years

03/30/2030

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

Alternate Product Category

CDOT Restrictions as per CDOT Approving Authority

Evaluators Signature: