

# Pre-Approved Product Evaluation Request & Summary

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

APL Reference No.

5976-26

Material Code

711.02

Material Code description full name

Concrete, Admixture

## Part 1

Product Name:

Mapeshield CI 300

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

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

Mapeshield™ CI 300 (formerly Polychem CI) is a liquid corrosion-inhibiting admixture based on calcium nitrite. Mapeshield CI 300 inhibits the onset of corrosion of reinforcing steel caused by chlorides typically present in de-icing materials. Mapeshield CI 300 meets or exceeds the requirement of ASTM C494, Type C; AASHTO M194, Type C; and ASTM C1582.

Restrictions, (installation and/or use):

Mapeshield CI 300 can be stored for 1 year in original sealed containers. Store at temperatures above 0°F(-18°C) to protect from freezing. If Mapeshield CI 300 freezes, it can be thawed and reconstituted by mechanical agitation. Do not use pressurized air for agitation.

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

Mapeshield CI 300 is recommended for use in ready-mixed, precast, pre-stressed or post-tensioned concrete and steel-reinforced concrete that will be exposed to chlorides. Mapeshield CI 300 is especially suitable for:

- Flatwork, paving, bridge decks, parking ramps/decks and in general concrete exposed to de-icing salts.
- Marine structures.

Specifications: (listing those applicable is required.)

<input checked="" type="checkbox"/>	CDOT	711.02
<input checked="" type="checkbox"/>	AASHTO	M 194
<input checked="" type="checkbox"/>	ASTM	C 494, 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-2025-01-140
<input checked="" type="checkbox"/>	ASTM	C 494, C 1582
<input type="checkbox"/>	Other	
<input type="checkbox"/>	Other	
<input type="checkbox"/>	Other	

State DOT Approvals:

Expiration Date 4 Year Cycle 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: