

Pre-Approved Product Evaluation Request & Summary

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

APL Reference No.

5949-25

Material Code

711.02

Material Code description full name

Concrete, Admixture

Part 1

Product Name:

MasterPolyheed 1855

Product category:

Concrete\Admixture\Water Reducing, High Range

Product Representative / Distributer (name & address):

Mark E. Piechuta

Manufacturer (name & address):

Mark E. Piechuta

Master Builders Solutions Admixtures US, LLC

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Cleveland, OH 44122-5554

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<https://www.master-builders-solutions.com>

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

MasterPolyheed 1855 is a mid-range water-reducing admixture formulated with next-generation polycarboxylate technology. By leveraging state-of-the-art molecular engineering, it enhances concrete performance and delivers significant value for both concrete producers and contractors.

MasterPolyheed 1855 admixture meets ASTM C 494/C 494M requirements for Type A, Water-Reducing, and Type F, Water-Reducing, High-Range admixtures.

Restrictions, (installation and/or use):

Not compatible with naphthalene-based admixtures

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

1. Reduced water content for a given workability.
2. Excellent performance across a wide concrete slump range
3. Enhanced performance in concrete mixtures containing portland-limestone cement

Specifications: (listing those applicable is required.)

- CDOT 711.03
 AASHTO M 194 Type A, Type F
 ASTM C 494 Type A, Type F
 Other CRD-C 87
 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.

AASHTO PEAS (NTPEP) CADD 2024-01-036, CADD 2024-01-037

- ASTM
 Other
 Other
 Other

State DOT Approvals: NC DOT

Expiration Date 4 Year Cycle 12/03/2029

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

Alternate Product Category Concrete\Admixture\Water Reducing, High Range

CDOT Restrictions as per CDOT Approving Authority

Evaluators Signature: