COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2922-22 CDOT USE ONLY

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

Material Code: 711.02.01.00 CDOT Use Only

Material Code description full name: Concrete, Admixture CDOT Use Only

PART 1

Product name: Mini Delayed Set [95050] [Type B, D]

Product category: Concrete\Admixture\Retarding

Product Representative (name & address):
Attn: David Ojeda
Fritz-Pak Corporation
4821 Eastover Circle
Mesquite, TX 75149
Phone: (214) 221-9494 E-mail: dot@fritzpak.com
Web-site address: www.fritzpak.com

Manufacturer (name & address):
Attn: David Ojeda
Fritz-Pak Corporation
4821 Eastover Circle
Mesquite, TX 75149
Phone: (214) 221-9494 E-mail: dot@fritzpak.com
Web-site address: www.fritzpak.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Mini Delayed Set is a set-retarding concrete admixture. It is in powdered form, packaged in pre-measured water soluble bags which are added to fresh concrete in the ready mix truck. Mixing requires only 5 to 7 minutes for complete dispersal throughout the load. Set times may be extended by 1 - 3 hours. Typically one 8-oz bag per cubic yard of concrete will extend set time by about one hour. Dosage may be doubled or tripled for longer set times, or the concrete can be re-dosed if initial set has not begun. Ambient temperature will affect set time. Recommended dosage rates are from 1.0 oz per 100 lbs cementitious materials (at 60 F or below) to 1.7 OZ per 100 lbs (at 80 or above).

Restrictions, (installation and/or use):
Product should be handled so as not to break inner water-soluble bags before use. Product should not be inhaled if inner bag is broken.

Use of the product, (be specific to CDOT highway activities only):
For retardation of concrete set time.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Because it is a powder, is less costly to ship and to store than liquid products. It does not freeze, and if kept in a dry place will have a shelf life of up to 3 years. It can be added at the plant or the job site as it is easily carried on trucks. It is especially valuable when unexpected delays such as traffic or job site delays occur. It can also be added to concrete in concrete pumps and recirculated to keep booms safe when job site delays occur.

Specifications: (listing those applicable is required)

- [x] CDOT : Standard Specifications for Road & Bridge Construction, Division 700, Section 711, 711.03 Chemical Admixtures
- [x] ASTM : C 494
- [x] AASHTO : M 194 Type D
- [ ] FHWA :
- [ ] other :

- [x] Certificate of Compliance (COC) provided
- [ ] Certificate of Verification (COV) provided for select categories ONLY

Product Testing: (National/independent laboratories or universities with Report Date.) **Certified Test Report** (CTR) provided to validate all claims.

- [x] NTPEP-AASHTO : CADD-2020-01-014, TEC Services Laboratory No: 20-502, June 17, 2021
- [ ] FHWA :
- [ ] other :
- [ ] other :
- [ ] other :

State DOT Approvals, (current documentation required): FL, GA, ID, IN, VA, WI

Expiration Date 4 Years / 02-17-2026 CDOT USE ONLY

Sample submitted: [ ] yes [x] no [ ] n/a

Safety Data Sheets (SDS): [x] yes [ ] no [ ] n/a

Alternate Product Category: Mini Delayed Set also falls in the product category Concrete\Admixture\Water-Reducing & Retarding

CDOT Product RESTRICTIONS by CDOT Evaluator:

Evaluators Signature:

CDOT use Only