COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2098-11

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

Material code: 711.02.01.00

FOR INTERNAL CDOT USE

Material code description full name: Concrete, Admixture

PART 1

Product name: Eucon Air 40

Product category: Concrete\Admixture\Air Entraining

Product representative (name & address):
Attn: Brian Lewis
The Euclid Chemical Company
19320 Redwood Road
Cleveland, Ohio 44110
Phone: (216) 692-8305 FAX: (216) 531-9399

Manufacturer (name & address):
Attn: Brian Lewis
The Euclid Chemical Company
19218 Redwood Road
Cleveland, Ohio 44110
Phone: (216) 531-9222 FAX: (216) 531-9596

Web-site address: http://www.euclidchemical.com

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

Eucon Air 40 is formulated for use as an air entraining admixture for concrete of all types and is manufactured under rigid control which assures uniform and precise performance. Eucon Air 40 adds microscopic air bubbles in concrete and works especially well with high carbon fly ash. Eucon Air 40 does not contain added chlorides and will not promote the corrosion of steel.

Features/Benefits

- Provides a stable air void system with proper bubble size and spacing which will increase durability.
- Concrete is made more resistant to de-icing salts, sulfate attack and corrosive water
- Less mixing water can be used per yard (meter) of concrete and placeability is improved

Restrictions, (installation and/or use):

- Consult your local Euclid Chemical representative for the proper dosage rate adjustments when using fly ash, slag or high range water reducers.

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

- Ready mix concrete • Structural concrete • Mass concrete • Paving concrete • All exterior concrete subjected to freeze/thaw cycling

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):

- Provides a stable air void system with proper bubble size and spacing which will increase durability.
- Concrete is made more resistant to de-icing salts, sulfate attack and corrosive water.
- Less mixing water can be used per yard (meter) of concrete and placeability is improved.
- Minimizes bleeding and segregation of the concrete.

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):

- [x] CDOT : Standard Specifications 711.02
- [x] ASTM : C 260
- [x] AASHTO : M 154
- [ ] FHWA :
- [ ] other :

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):

- [x] NTPEP-AASHTO : CADD-2010-01-048
- [ ] FHWA :
- [x] other : TEC Services (June 29, 2011)
- [ ] other :

State DOT Approvals, (current documentation required):

KS, MO, OR, PA, UT, WA

Sample submitted: [ ] yes [x] no [ ] n/a | Materials Safety Data Sheets (MSDS): [x] yes [ ] no [ ] n/a

Notes/Additional Comments

A sample is available upon request at no cost to the DOT or customer.