COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3085-11

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

Material code: 701.03.01.00

FOR INTERNAL CDOT USE

Material code description full name: Silica Fume

PART 1

Product name: EMS-970D	Product category: Concrete\Pozzolan\Silica Fume
Product representative (name & address): Attn: Tony N. Kojundic Elkem Materials Inc. Airport Office Road Moon Township, PA 15108 Phone: (412) 299-7229 FAX:	Manufacturer (name & address): Attn: Tony N. Kojundic Elkem Materials Inc. Airport Office Road Moon Township, PA 15108 Phone: (412) 299-7229 FAX:
Web-site address: www.materials.elkem.com	Web-site address: www.materials.elkem.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
EMS-970D is a silica fume which is a mineral composed of ultrafine, amorphous glassy spheres of silicon dioxide. Silica fume is a very fine pozzolanic material composed mostly of amorphous silica produced by electric arc furnaces as a by-product of the production of elemental silicon or ferrosilicon alloys.
SiO2 content >85.0%
Specific Surface Area >20 m2/g

Restrictions, (installation and/or use):

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

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

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

- ☐ CDOT :
- ☒ ASTM : C 1240
- ☒ AASHTO : M 307
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Construction Engineering Consultants (August 5, 2009)
- ☐ other :

State DOT Approvals, (current documentation required):
CA, IL, KS, LA, MO, NY, SC

Sample submitted: ☐ yes ☒ no ☐ n/a | Materials Safety Data Sheets (MSDS): ☒ yes ☐ no ☐ n/a

Notes/Additional Comments
Sample will be submitted upon request at no cost.