COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2190-12

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

Material code: 601.02.14.00

FOR INTERNAL CDOT USE

Material code description full name: Concrete, Grout

PART 1

Product name: Five Star Fluid Grout 100

Product category: Concrete\Grout\General Purpose [Non-Shrink]

Product representative (name & address):
Attn: Ryan Taylor
Five Star Products Inc.
750 Commerce Drive
Fairfield, CT 06825
Phone: (203) 336-7900 FAX: (203) 336-7930

Manufacturer (name & address):
Attn: Ryan Taylor
Five Star Products
750 Commerce Drive
Fairfield, CT 06825
Phone: (203) 336-7900 FAX: (203) 336-7930

Web-site address: www.fivestarproducts.com

Web-site address: www.fivestarproducts.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Five Star Fluid Grout 100 is a cement-based, non-metallic, non-shrink fluid grout. Typical compressive strength at 7°F, using the minimum water mix, is 5800 psi @ 1 day, 7500 psi @ 3 days, 8000 psi @ 7 days, and 10000 psi @ 28 days. Bond Strength is 2000 psi @ 28 days. Working Time at 70°F is 30 minutes.

Restrictions, (installation and/or use):
Ambient Temperature must be between 40°F and 90°F at time of placement.

Use of the product, (be specific to CDOT highway activities only):
Grouting clearances to 1/2", non-shrink grouting of structural steel and precast concrete, installation of anchors and dowels.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Placement within tight clearances, early cut back (3 hrs), high 24 hour strength, non-shrink from the time of placement, 98% Effective Bearing Area (EBA) is typically achieved following proper grouting procedures.

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

- ☐ CDOT :
- ☒ ASTM : C 1107 [C 827, C 1090, C 882, C 109]
- ☐ AASHTO :
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☐ other :
- ☒ other : TEC Services (May 9, 2008)

State DOT Approvals, (current documentation required):
Maine, Rhode Island

Sample submitted: ☐ yes ☒ no ☐ n/a

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

Notes/Additional Comments