

**Colorado Department of Transportation**  
**Pre-Approved Product Evaluation Request and Summary**

APL Reference No.  
**5860-25** SE ONLY

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

Material Code  
**701.01.01.00** CDOT Use Only  
 Material Code description full name  
**Cement, Portland** CDOT Use Only

**PART 1**

Product name: <b>GCC Trident Plant, Type III</b>	Product category: <b>Concrete\Cement\Portland Cement [ASTM C150]</b>
Product Representative (name & address): Attn: <b>Urs Fuchs</b>  <b>GCC</b> <b>600 S. Cherry St., Suite 1000</b> <b>Glendale, CO 80246</b> Phone: <b>(719) 250-0130</b> E-mail: <b>ufuchs@gcc.com</b>	Manufacturer (name & address): Attn: <b>Michael Stuart</b>  <b>GCC</b> <b>4070 Trident Road</b> <b>Three Forks, MT 59752</b> Phone: <b>(406) 285-3985</b> E-mail: <b>mstuart@gcc.com</b>
Web-site address: <b>www.gcc.com</b>	Web-site address: <b>www.gcc.com</b>

**Description of the product:** (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)  
**ASTM C150 Type III Portland Cement.**  
 This cement conforms to the requirement specified in ASTM C150, AASHTO M85 Type III and ASTM C1157 for Type GU cement.  
 GCC Trident Type III cement is produced with low aluminate clinker, therefore meeting high sulfate resistance according to ASTM C150, Table 2, Optional Requirements. Aluminate content of GCC Trident Type III is 5% maximum.

**Restrictions,** (installation and/or use):  
**Provide adequate protection from extreme conditions.**

**Use of the product,** (be specific to CDOT highway activities only):  
**Concrete general construction, precast, concrete repair, cold weather applications**

**Benefits to CDOT,** (how will your product enhance quality, improve safety, save money, be a better value than other manufacturer's products):  
 This cement is recommended for general construction, in situations where rapid strength gain is crucial, such as in precast concrete, repair work requiring quick return to use, and cold weather concrete applications. The addition of 20 percent of a quality SCM like Class F fly ash or natural pozzolan Class N will provide additional high sulfate resistance.

**Specifications:** (listing those applicable is required)  
☒ CDOT : **Standard Specifications, Section 701.01**  
☒ ASTM : **C150 Type III Cement, C1157 Type HE Cement**  
☒ AASHTO: **M85 Type III Cement**  
☐ FHWA :  
☐ other :

☐ 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.

☐ NTPEP-AASHTO:  
☐ FHWA :  
☒ other : **Material Certification Reports, Trident Cement Plant**  
☒ other : **Safety Data Sheet SDS, GCC Portland Cement**  
☒ other : **ASTM C1012 Test Reports with 20% SCM Replacement**

**State DOT Approvals,** (current documentation required): Expiration Date **05/15/2029** use Only

Sample submitted: ☐ yes ☒ no ☐ n/a Safety Data Sheets (SDS): ☒ yes ☐ no ☐ n/a

Alternate Product Category:

**CDOT Product RESTRICTIONS by CDOT Evaluator:**

**Evaluators Signature:**

CDOT use Only