

Colorado Department of Transportation
Pre-Approved Product Evaluation Request & Summary

APL Reference No.
5867-25 CDOT USE ONLY

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

Material Code
701.01.02.00 CDOT Use Only
 Material Code description full name
Cement, Blended CDOT Use Only

PART 1

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| Product name: GCC Tijeras Plant, Type IP MH HS | Product category: Concrete\Cement\Portland Cement [ASTM C 595] |
| Product Representative (name & address): Attn: Urs Fuchs GCC of America 600 S. Cherry St., Suite 1000 Glendale, CO 80246 Phone: (303) 739-5900 E-mail: ufuchs@gcc.com | Manufacturer (name & address): Attn: Krishna Malay GCC of America PO Box 100 Tijeras, NM 87059 Phone: (505) 286-6027 E-mail: kmalay@gcc.com |
| Web-site address: www.gcc.com | Web-site address: www.gcc.com |

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

Hydraulic cement conforming to the requirements of ASTM C595 and AASHTO M240 for Type IP MH HS.

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

Use of the product, (be specific to CDOT highway activities only):
GCC Tijeras Type IP is used in concrete applications where high sulfate resistance is required. It can also be used for general construction.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value than other manufacturer's products):
GCC Tijeras Type IP cement improves protection against severe sulfate environments. This cement meets ASTM C595 Table 3 Physical Requirements for Blended Cements with Special Properties for moderate heat of hydration (MH) and high sulfate resistance (HS). High sulfate certification is available upon request. This cement can be used to meet Class 3 requirements for sulfate resistance, as specified in CDOT 601.04 requirements. This cement has shown to mitigate alkali silica reaction (ASR) in some materials, specific ASR testing is required.

Specifications: (listing those applicable is required)
☒ CDOT : **Standard Specifications, Section 701.01**
☒ ASTM : **C595 Type IP MH HS Cement, C1157 Type MH HS Cement**
☒ AASHTO: **M240 Type IP MH HS 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, Tijeras Cement Plant**
☒ other : **Safety Data Sheet SDS, GCC Portland Cement**
☒ other : **ASTM C1012 High Sulfate Certification for Type IP**

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

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