

Product Evaluation Coordinator Colorado Department of Transportation 4670 North Holly Street, Unit A Denver, Colorado 80216	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; padding: 2px;">Material Code</td> <td style="padding: 2px;">601.09.01.00</td> <td style="width:50%; padding: 2px; text-align: right;"><small>CDOT Use Only</small></td> </tr> <tr> <td style="padding: 2px;">Material Code description full name</td> <td colspan="2" style="padding: 2px;">Concrete, Patching Material <small>CDOT Use Only</small></td> </tr> </table>	Material Code	601.09.01.00	<small>CDOT Use Only</small>	Material Code description full name	Concrete, Patching Material <small>CDOT Use Only</small>	
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Part 1

Product name: QUIKRETE Commercial Grade FastSet® DOT Mix (1244-56)	Product category: Concrete\ Repair\Patching\Rapid Set Horizontal
Product Representative (name & address): Attn: Dave Wingard Quikrete Companies 11450 Technology Circle Johns Creek, GA 30097 Phone: (404) 926-3128 E-mail: dave.wingard@quikrete.com	Manufacturer (name & address): Attn: Dave Wingard Quikrete Companies 11450 Technology Circle Johns Creek, GA 30097 Phone: (404) 926-3128 E-mail: dave.wingard@quikrete.com
Web-site address: www.quikrete.com	Web-site address: www.quikrete.com

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

QUIKRETE Commercial Grade FastSet® DOT Mix is a fiber reinforced; rapid-setting repair material specifically designed to exceed ASTM C928 Category R3 specifications for a high-performance repair material. It is formulated for use in structural concrete repair, bridge decks, roadways, and parking deck applications from ½ in to 24 in thick (13 mm to 610 mm). This product has a specified set time of 25 to 45 minutes (ASTM C191) and is expected to reach 3000 PSI at 1.5 hours, 4500 PSI at 3 hours, and 6500 PSI at 1 day when tested in accordance to ASTM C109. Length change is expected to be no greater than -0.07% in air when tested according to ASTM C157. Freeze thaw durability is expected to exceed a 95% durability factor at 300 cycles when testing according to ASTM C666. Salt scaling is expected to be below 0.25 lb/ft² when tested in accordance with ASTM C672. Slant shear bond strength is expected to reach 2500 PSI at 7 days when tested in accordance with ASTM C882.

Restrictions, (installation and/or use):
 During extremely hot or dry conditions, use cold water to maintain mix at a moderate placement temperature. Mix no more than can be used in 10 minutes.

Use of the product, (be specific to CDOT highway activities only):
 Concrete Repair: specially formulated for use in structural concrete repair, bridge decks, roadways and parking deck applications.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value than other manufacturer's products):
 FastSet DOT Mix is a preblended product that provides consistently batched material, requiring only water to be added. The instructions are specific for DOT use and it has been formulated to withstand Freeze-Thaw conditions. The fibers in the formula provides increased flexural strength, which is critical for use in applications subjected to vibration, such as bridges. FastSet DOT Mix provides fast setting characteristics that typically allows traffic to resume one hour after set.

Specifications: (listing those applicable is required)

CDOT :
 ASTM : **ASTM C928 R3**
 AASHTO :
 FHWA :
 other :

Certificate of Compliance (COC) provided Certificate of Verification (COV) provided for select categories

Product Testing: (National/independent laboratories or universities with Report Date.) **Certified Test Report (CTR)** provided to validate all claims.

NTPEP-AASHTO: **RSCP-2021-01-002 (for C928 testing)**
 FHWA :
 other : **TEC Services (December 11, 2019) [for salt scaling (C672) testing]**
 other :
 other :

State DOT Approvals, (current documentation required): **IL, ME, PA, NJ, WI, WS** **Expiration Date 4 Years** CDOT use **06/12/2028**

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