

**COLORADO DEPARTMENT OF TRANSPORTATION
PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY**

APL Reference No.
3072-21 USE ONLY

Product Evaluation Coordinator Colorado Department of Transportation 4670 North Holly Street, Unit A Denver, Colorado 80216	Material Code 601.09.01.00	CDOT Use Only
	Material Code description full name Concrete, Patching Material	CDOT Use Only

PART 1

Product name: Transpatch Concrete	Product category: Concrete\Repair\Patching\Rapid Set, Horizontal
Product Representative (name & address): Attn: Andrew Beaty US SPEC 112 South Santa Fe Drive Denver, CO 80223 Phone: (303) 778-7227 E-mail: andrew.beaty@oldcastle.com	Manufacturer (name & address): Attn: Andrew Beaty US Mix 112 South Santa Fe Drive Denver, CO 80223 Phone: (303) 778-7227 E-mail: andrew.beaty@oldcastle.com
Web-site address: www.usspec.com	Web-site address: www.usmix.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Transpatch Concrete is a polymer modified, rapid setting, rapid hardening, full depth concrete repair material that exhibits excellent flexural properties, shear bond strength and compressive strength. Transpatch Concrete achieves compressive strengths exceeding 3000 psi within three hours, 5000 psi in 24 hours, and 5500 psi in seven days. The rate of initial set is 25 minutes and the rate of final set is 45 minutes. The bond strength exceeds 2500 psi at one day and 3000 psi at seven days.

Transpatch Concrete does not need to be extended with washed 3/8" pea gravel for placements exceeding 3 inches in depth. Transpatch Concrete has been formulated to benefit the contractor. Being a pre-extended material accommodates consistent batching and mix proportions, physical and performance characteristics.

Restrictions, (installation and/or use):
Maintain contact areas between 40 F and 90 F prior to repair and during initial curing period.

Use of the product, (be specific to CDOT highway activities only):
Transpatch Concrete is ideal for partial and full-depth roadway repairs as well as bridge deck repairs.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Transpatch Concrete can be open to traffic in as little as one hour and can be used as a full-depth repair material due to it being pre-extended, eliminating the need for mixing multiple materials on site. Transpatch Concrete is resilient and withstands freeze/thaw cycles and corrosive elements.

Specifications: (listing those applicable is required)
 CDOT : **601.09**
 ASTM : **ASTM C928 R3**
 AASHTO :
 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: **Nelson Testing Laboratories (March 26, 2021) NTPEP RSCP-2020-01-001**
 FHWA :
 other : **Nelson Testing Laboratories (January 13, 2021)**
 other :
 other :

State DOT Approvals, (current documentation required): Expiration Date **5 Years 7/01-01-2026**

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