COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2288-11

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

Material code: 515.03.01.00

FOR INTERNAL CDOT USE

Material code description full name: Sealer, Concrete

PART 1

Product name: Baracade WB 244

Product category: Waterproofing\Concrete Sealer\Non-Alkyl-alkoxy Silane

Product representative (name & address):
Attn: Brian Lewis
The Euclid Chemical Company
19320 Redwood Road
Cleveland, Ohio 44110
Phone: (216) 692-8305 FAX: (216) 531-9399

Manufacturer (name & address):
Attn: Brian Lewis
The Euclid Chemical Company
19218 Redwood Road
Cleveland, Ohio 44110
Phone: (216) 531-9222 FAX: (216) 531-9596

Web-site address: http://www.euclidchemical.com

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

Baracade WB 244 is a water based, oligomeric siloxane/silane, ready to use, deep penetrating water repellent. Water repellency is achieved via an impregnation of the substrate. Baracade WB 244 is a colorless, odorless, non-staining, non-yellowing and non-film forming penetrant used to protect concrete surfaces without altering the appearance or texture of the treated surface.

Material Properties @ 75°F (24°C)
Flash point..... > 200°F (93° C)
Weight /gal..... 8.4 lbs
VOC content ASTM 3960-81.....50 g/L
Viscosity..... 50 cps

Average depth of penetration (substrate dependent).... 3/8" (0.95 cm)
Absorption reduction
Federal Specification SS-W-110C...88%

NCHRP Report No. 244
Reduction in chloride ion content
1 day.....80%
5 day.....82%
21 day.....84%
Avg. 82%

Reduction in weight gain
1 day.....79%
5 day.....81%
21 day.....85%

Restrictions, (installation and/or use):
Temperature of air and surface must be at least 40°F and rising.

Use of the product, (be specific to CDOT highway activities only):
• Ramps • Parking decks • Bridge decks • Sidewalks

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
• Odorless, colorless and non-staining
• Non-yellowing
• Non film-forming; no gloss or shine
Can contribute to LEED points

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):
- [x] CDOT : Standard Specifications 515.03
- [ ] ASTM :
- [ ] AASHTO :
- [ ] FHWA :
- [x] other : [Federal Spec. SS-W-110C], [NCHRP - Report 244], [NCHRP - Series II], [NCHRP - Series IV].

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):
- [ ] NTPEP-AASHTO :
- [ ] FHWA :
- [x] other : CTL Group (August 20, 2007), (January 9, 2008), (March 6, 2008)
- [x] other : DL Laboratories (March 9, 2007)

State DOT Approvals, (current documentation required):
MA, PA

Sample submitted: [ ] yes [x] no [ ] n/a | Materials Safety Data Sheets (MSDS): [x] yes [ ] no [ ] n/a

Notes/Additional Comments
A sample is available upon request at no cost to the DOT or customer.