

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

Material code:
515.03.01.00

Material code description full name:
Sealer, Concrete

PART 1

Product name: SIL-ACT® ATS-40	Product category: Waterproofing/PCCP Sealer/Alkyl-alkoxy Silane
Product Representative (name & address): Attn: Christina Agent / Felecia Stoker Advanced Chemical Technologies, Inc. 9608 N. Robinson Ave. OKC, OK 73114	Manufacturer (name & address): Attn: Christina Agent / Felecia Stoker Advanced Chemical Technologies, Inc. 9608 N. Robinson Ave. OKC, OK 73114
Phone: (405) 834-2585 E-mail: sales@advchemtech.com	Phone: (405) 834-2585 E-mail: sales@advchemtech.com
Web-site address: www.advchemtech.com	Web-site address: www.advchemtech.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
 SIL-ACT® ATS-40 is a fast dry chemical treatment which causes concrete, masonry and many other porous building materials to become permanently repellent to water, salt corrosion, deicer chemicals, acids and many other waterborne chemicals. The small molecular size of SIL-ACT® ATS-40 enables silane to penetrate deeply into pores of substrates but does not change the appearance or vapor permeability of treated surfaces. You can use SIL-ACT® ATS-40 for buildings, parking garages, vertical and horizontal surfaces, such as balconies and plazas, bridges, roads, and other surfaces subject to extreme exposure of weather. VOC Content < 600 g/L; Drying time at 70°F 30 minutes; Water Absorption ASTM D-6489 0.1%; Depth of Penetration OHD-L34 .16 to .2 Inch; Moisture Vapor Permeability OHD-L35 99.6%; Scale Resistance ASTM C-672 0 @ 100 Cycles; Moisture Absorption Resistance ASTM C-642 .11 @ 48 Hours / .34 @ 50 Days; Chloride Ion Reduction AASHTO T 259 .22 @ 1/2 - Inch Depth / .0 @ 1 - Inch Depth; Testing for Chloride Ion AASHTO T 260 .05 @ 1/2 - Inch Depth / .04 @ 1 - Inch Depth; Reduction in Absorbed Chloride NCHRP 244 Series II 86%; NCHRP 244 Series IV - Southern Climate 99%

Restrictions, (installation and/or use):
 Do not use unless surface and air temperature is between 20°F and 110°F. Do not apply if frost, ice, or standing water are visible on the surface to be treat

Use of the product, (be specific to CDOT highway activities only):
 Bridge decks, Median barriers, Highways, Parking Structures, Ramps

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
 SIL-ACT® ATS-40 is a clear, penetrating silane treatment which causes concrete and masonry to become repellent to water, chloride, waterborne contaminants and weathering elements such as freeze thaw cycles and deicing salts and chloride ions, preventing the premature deterioration of, bridge decks, pavements and other types of concrete structures. Fast drying times enabling traffic lanes to open sooner/less down time for traffic control.

- Specifications:** (listing those applicable is required)
- CDOT : 515.03
 - ASTM : C-642, C-672
 - AASHTO: T-259, T-260
 - FHWA :
 - other : NCHRP 244 Series II & IV
- 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 : Nelson Testing Laboratories (NTL Project No. 16-1377)
- other :
- other :

State DOT Approvals, (current documentation required): **OK** Expiration Date **4 years, 05-29-2023**

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

Alternate Product Category:
 Additional Comments: