



Date:

Prepared for:

COMPANY NAME:

ADDRESS:

CITY, STATE, ZIP:

Project Information

LOCATION:

CONTRACTOR:

QUANTITY USED:

### Product Certification - Certi-Vex Penseal 244 100%

Vexcon Chemicals Inc., hereby certifies that Certi-Vex Penseal 244-100 is a low VOC, breathable, ready to use, deep penetrating silane water repellent and chloride screen for concrete and masonry. Certi-Vex Penseal 244-100 contains 100% active silane solids. Certi-Vex Penseal 244-100 meets the requirements of NCHRP 244 Series II and IV.

Certi-Vex Penseal 244-100 will reduce chloride penetration by greater than 90% when tested by NCHRP 244 series II and Series IV (Southern Exposure) criteria. Concrete treated with Certi-Vex Penseal 244-100 shows excellent scaling resistance when tested per ASTM C672. The water absorption reduction of concrete is reduced by greater than 98% when tested by ASTM C 642.

- NCHRP 244 Series II and IV @ 250 sq.ft./gal
  - Reduction of Chloride Penetration into Concrete
    - Series II – 98%
    - Series IV – 98%
- ASTM C642 – Water Loss Reduction % wt.
  - NCHRP 244 Series II – 94%
  - NCHRP 244 Series IV – 94%

Certi-Vex Penseal 244-100 is approved for use by Alberta province and many state departments of transportation. For a current list contact Vexcon Chemical Customer Service.

Certi-Vex Penseal 244 100% meets the following additional specification/compliances:

- VOC - <250grams/liter or <2.08/gal
- Meets:
  - USEPA AIM - Waterproofing Sealers and Treatments
  - OTC - LADCO/MRPO - CEPA/EC Waterproofing Concrete/Masonry Sealers
  - CARB - Reactive Penetrating Sealers
  - SCAQMD – Rule 1113 – Reactive Penetrating Sealers
- AASHTO T259/260- Chloride Ion Analysis – 90 day Salt Pounding
  - 1/16” – 1/2” 0.63 #/cu.yd. avg. @ 250 sq.ft./gal
  - 1/2” – 1” 0.35 #/cu.yd. avg. @ 250 sq.ft./gal
- ASTM C672 Scale rating - 100 freeze thaw cycles-0 (no scaling).
- ASTM C457 Depth of Penetration - 0.150 -0.26", substrate dependant
- ASTM D2047 Coefficient of Friction 0.84 average
- Alberta Transportation Concrete Sealer - Type 1C
- NY Test Method 717.01E
  - 21 days - % MVT – 93.5%

For additional product information go to [vexcon.com](http://vexcon.com) or contact Vexcon Chemicals Technical Support at (888)-839-2661 or by email at [techservice@vexcon.com](mailto:techservice@vexcon.com)

Vexcon Chemicals Inc.  
Technical Support Department