

# CPD® SALTGUARD ULTRA

## DESCRIPTION

CPD® Saltguard Ultra is part of a two coat protection system which prevents the intrusion of chlorides and water. The two coat system consists of:

A) A base coat of CPD® Saltguard. It is an oligomeric alkyl-alkyloxy siloxane. This penetrates into the substrate and reduces chloride ion migration through cement materials.

B) The top coat is CPD® Paver and Concrete Sealer. It is a colorless methacrylate copolymer resin in a solvent base.

## WHERE TO USE

\$ concrete slabs, decks, walls, abutments, concrete barriers and retaining walls

## BENEFITS

- \$ an effective chloride screen
- \$ excellent freeze-thaw resistance
- \$ prolongs the surface life and prevents damage from within by maintaining vapor permeability of concrete
- \$ greatly reduces effects from salt scaling
- \$ excellent penetration into substrate
- \$ eliminate development of efflorescence
- \$ protects concrete surface from penetration and staining by oil, grease, deicing salts and other contaminants

## PROPERTIES

Test	Saltguard	CPD® Paver & Concrete Sealer
Classification	Penetrant	Sealer
Maximum water absorption by mass of concrete is 1%	pass	pass
Minimum moisture vapor loss is 95%	pass	pass
Maximum chloride ion content @ 13-25mm depth is 0.02% by mass of concrete.	pass	pass
Salt Scaling Resistance maximum loss in mass after 50 cycles is 0.80kg/m <sup>2</sup>	pass	pass

## APPLICATION

### INSTALLATION:

CPD® Saltguard contains blended solvents and should be handled accordingly. Do not use near fire or extreme heat and provide good ventilation to avoid build up of solvent fumes. Applicators should wear approved NIOSH/MSHA approved respirators. When applying to exterior of occupied buildings, all exterior air conditioning vents should be covered during application and air handling equipment should be turned off during application to avoid solvent odors within the building. Clothing which may become contaminated with Saltguard should be changed as quickly as possible.

### PREPARATORY WORK:

A test application is necessary on each surface and/or masonry material to be treated to ensure compatibility and desired results. Test areas are also useful in determining final application rate and procedures. Tests should be applied using the same equipment as for the job application. Test areas should be inspected by the engineer throughout the job application. Adjoining glass, metal and painted surfaces should be protected from over spray and splash of CPD® Saltguard. Splashes should be removed using mineral spirits before the solution has dried on the surface. All caulking, patching and joint sealants should be installed prior to application of CPD® Saltguard. The concrete surface should be clean, free of dust, surface dirt and contaminants. New concrete should be thoroughly cured before application of CPD® Saltguard. New concrete normally does not require etching, however slick trowel finished concrete that has been contaminated with surface dirt, tire marks, etc. during construction may require thorough cleaning and a mild etch for best performance of the sealer. Older concrete surfaces should be power washed with high pressure and appropriate cleaners to assure removal of surface dirt, oil and contaminants. Surfaces to be treated may be damp, but should be absorbent to assure good penetration of CPD® Saltguard.

**Note:** If a chemical curing agent is to be used during installation of new concrete, a test area is recommended prior to general application to assure compatibility. It is impossible to assure compatibility with all products.

**PLACING:**

CPD<sup>®</sup> Saltguard should be applied as packaged. Do not dilute or alter material. Preferred method of application is with a low pressure (20 psi) airless sprayer or with a heavily saturated brush or roller. Sprayer should be fitted with a solvent resistant hose and gasket. When using brushes or rollers, care should be taken to assure that enough solution is applied. Apply sufficient material to thoroughly saturate the surface making sure to brush out excess material that does not penetrate. When applying to flat surfaces, CPD<sup>®</sup> Saltguard should be applied in a single saturating application with sufficient material applied so that the surface remains wet for a few minutes before penetration into the concrete. Surface residues, pools and puddles should be broomed out thoroughly until they completely penetrate the surface. CPD<sup>®</sup> Paver and Concrete Sealer should be applied to a dry surface which is normally 24 hours after the application of Saltguard. Application of the top coat may be by brush, roller or spray depending on surface conditions. Refer to CPD<sup>®</sup> Paver and Concrete Sealer product data sheet for further information.

**LIMITATIONS**

- \$ do not apply at temperatures below 4.5°C (40°F)
- \$ after applying CPD<sup>®</sup> Saltguard, protect from rain, foot traffic and sun for 24 hours
- \$ after application of CPD<sup>®</sup> Paver and Concrete Sealer wait 24 hours before opening to traffic

**COVERAGE**

CPD<sup>®</sup> Saltguard:

Broom Finish: 3.4 - 4.4m<sup>2</sup>/L (140-180 ft<sup>2</sup>/U.S. gal)

Slick Trowel Finish: 5.9 m<sup>2</sup>/L (240 ft<sup>2</sup>/U.S. gal)

Older Concrete: 2.3 - 3.4m<sup>2</sup>/L (95-140 ft<sup>2</sup>/U.S. gal)

CPD<sup>®</sup> Paver and Concrete Sealer:

6m<sup>2</sup>/L (250 ft<sup>2</sup>/U.S. gal)

**Note:** Some extremely dense concrete materials contain integral waterproofing agents and admixtures. These surfaces require very little Saltguard and consumption rates of 7.4 - 8.6 m<sup>2</sup>/L (300-350 ft<sup>2</sup>/U.S. gal) are adequate.

**STANDARDS**

Manufactured to comply with Ministry of Transportation, Ontario (MTO) for use on all projects (Test M1-127).

**PACKAGING**

208L (55 U.S. gal) drum

18.9L (5.3 U.S. gal) pail

**CLEAN UP**

Clean equipment immediately after use with Xylene solvent.

**STORAGE**

Store under normal heated warehouse conditions.

**SHELF LIFE**

Two years from date of manufacture when stored in original unopened container, and under normal heated warehouse conditions.

**SAFETY PRECAUTION**

Flammable Liquid. Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions. MSDS # 122.

**WARRANTY**

The recommendations made and the information herein is based on our own and independent laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job-conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular purpose.

CPD<sup>®</sup> makes no warranties with respect to this product, expressed or implied, without limitation, the implied warranties of merchantability or fitness for a particular purpose.

CPD<sup>®</sup>'s liability shall be limited in all events to supplying sufficient product to re-treat and/or repair the specific area to which CPD<sup>®</sup> product has been applied. CPD<sup>®</sup> reserves the right to have the true cause of any difficulty determined by accepted test methods. CPD<sup>®</sup> shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

**THIS WARRANTY MAY NOT BE MODIFIED OR EXTENDED BY REPRESENTATIVES OF CPD<sup>®</sup>, ITS DISTRIBUTORS OR DEALERS.**