

# CIPADAM® S-40

## DESCRIPTION

CIPADAM® S-40 is a clear, penetrating, breathable sealer that contains a 40 percent solution of silane in an alcohol carrier. CIPADAM® S-40 chemically reacts with the concrete substrate to produce a long lasting water repellent effect. This material's small molecular structure allows for maximum penetration into any silicious material to form an alkali resistant polysiloxane.

## WHERE TO USE

Applications include parking garages, building envelopes, ramps and other concrete structures.

## BENEFITS

- \$ excellent resistance to water intrusion
- \$ excellent resistance to chloride ion ingress
- \$ breathable
- \$ no change in surface appearance
- \$ high resistance to alkali attack
- \$ reduces the effects of efflorescence, mildew, and stains on vertical concrete and masonry structures

## PROPERTIES

Solvent Base .....	Alcohol
Active Substance Content: .....	40% by weight
Specific Gravity: .....	0.83
Viscosity: .....	5-10 cps
Flash Point: (T.C.C.).....	12°C (54°F)
Color and Finish: .....	Clear, invisible

The above information is representative of actual production runs. Independent test results may vary from the above by approximately ±10%

## PRECAUTIONS

This product contains blended solvents and alcohol should be handled accordingly. Do not use near fire or extreme heat and provide good ventilation to avoid buildup of solvent fumes. Applicators should wear approved NIOSH/MSHA approved respirators. When applying to exteriors 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 CIPADAM® S-40 should be changed as quickly as possible.

## SURFACE PREPARATION

Caulking and patching materials must be fully cured before applying CIPADAM® S-40. All substrates must be properly cleaned and free of dust and contaminants before the application of the sealer. Acceptable surface cleaning methods include shot blasting, sand blasting, or water blasting. Usually no preparation is required for building envelopes unless the substrate has surface dirt or contaminants on it. Do not apply to a wet substrate, although a damp substrate may be treated.

NOTE: If a chemical curing agent has been used during installation of new concrete, it must be removed prior to the application of the sealer.

## APPLICATION

CIPADAM® S-40 should be applied as packaged - do not dilute or alter material. Preferred method of application is with low pressure (20 psi) airless spray equipment or with heavily saturated brush or roller. Sprayer should be fitted with solvent resistant hoses and gaskets. When using brushes or rollers, care should be taken to ensure that enough solution is applied. Apply sufficient material to thoroughly saturate the surface making sure to brush out excess material that does not penetrate.

## HORIZONTAL SURFACE APPLICATIONS

This product should be applied in a single saturating application with sufficient material so that it should pond on the surface at least 5 seconds before being absorbed. Surface residues, pools and puddles should be broomed out thoroughly until they completely penetrate into the surface. Protect from vehicular traffic for 24 hours.

## VERTICAL SURFACE APPLICATION

This product should be applied in a flooding application from the bottom-up so the material runs down 15-20 cms (6"-8") below the spray pattern. On porous substrates, this product should be applied in two "wet-on-wet" applications. Allow the first application to penetrate the surface and re-apply in the same manner.

## MAINTENANCE

Chemical spills, salts and abrasives should be removed from the surfaces as soon as possible.

## LIMITATIONS

- \$ not intended for below-grade waterproofing
- \$ it can be applied at temperatures down to -7°C (20°F) providing no ice or frost exists in or on the surface
- \$ do not apply if the ambient temperature of the surface exceeds 38°C (100°F)
- \$ do not apply if rain is expected within 4 hours
- \$ if rain has preceded the application, the surface should be allowed to dry for at least 24 hours
- \$ this material should be stored in sealed containers and kept away from extreme heat

## COVERAGE

Porosity and texture of the concrete and masonry surface will affect the amount of material necessary for effective treatment. The following is a guide for estimating material requirements for concrete. Always test on the actual surface to get precise consumption rates.

Concrete: 3-5m<sup>2</sup>/L (120-200 ft<sup>2</sup>/U.S. gallon) depending on porosity

## PACKAGING

208L (55 U.S. gal) drums - 190 kg (419 lb)/drum

18.9L (5 U.S. gal) pail - 21 kg (47 lb)/pail

3.79L (1 U.S. gal) pail - 5 kg (11 lb)/pail

## CLEAN UP

Clean up with CPD<sup>®</sup> Xylol.

## STORAGE

Contains flammable solvents. Keep away from open flame. Keep containers tightly closed when not in use.

## SHELF LIFE

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

## SAFETY PRECAUTION

Flammable Liquid. Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions. MSDS #270.

## 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.