



CHEM-SEAL 14-WB

Water Based Acrylic Sealer

Version 02-10-2017

PRODUCT DESCRIPTION AND TECHNICAL DATA

CHEM-SEAL 14-WB is a high performance, water based, acrylic sealer and dustproofer with 14% solids content by weight. It is a milky white emulsion, which dries to form a clear semi-gloss to high-gloss film. CHEM-SEAL 14-WB is UV stable, weather resistant and is designed specifically to protect the CHEM-CRETE StainiX color system. It also will protect all indoor and outdoor concrete and masonry surfaces including residential, commercial and light industrial applications.

Property @ 77°F (25°C)	Value
Specific Gravity	1.016
Solid Content by Weight	14%
Freezing Temperature °F (°C)	≈32 (0)
Color	Milky white, dries clear
Fumes	None
Flammability	None
Curing Time @ 77°F (25°C)	20 minutes
Drying Time @ 77°F (25°C)	Touch dry = 2 hours
	Firm Set = 24 hours
Recoat interval	2 to 4 hours
Finish	Smooth and gloss

FIELDS OF APPLICATION

CHEM-SEAL 14-WB can be used on concrete floors and walls, decorative concrete, stained concrete, stones, terrazzo, and wood. Areas of applications include sidewalks, patios, factory floors, restaurants, pool decks, shopping centers, concrete roofs, terrazzo tiled roofs, natural stone buildings and stone cladding.

PRODUCT FEATURES

Non-Toxic • Non-Flammable • Excellent Adhesion • Non-Staining • Ready to Use and Easy to Apply • Low Viscosity • Low VOC

PACKAGING

1 Gallon Jug (3.785 LITER) • 5 Gallon Pail (18.925 LITER) • 55 Gallon Drum (208 LITER)

APPLICATION DATA

Methods of Application: By spraying, rolling or brushing.

Application Tools: CHEM-SEAL 14-WB can be applied using one or more of the following: Low pressure or airless sprayer • Good quality paint roller • Good quality paint brush

Surface Preparation: The substrate must be sound, dry, clean and free from any contaminants like dust, dirt, mildew, algae, curing compounds, form release, sealers, oils, grease, etc.

Dirt and dust can be removed by sweeping and low-pressure washer. Areas contaminated with mildew, algae, oils and grease can be cleaned using a high-pressure washer and a biodegradable concrete cleaner (CHEM-CRETE CONCLEAN CCC060 is recommended).

Cleaning of substrates treated with curing compounds, form release and sealers might be achieved by means of mechanical methods, such as shot blasting, grinding, wire brushing, and high-pressure washer.

Do not use acid etching, solvents or adhesive removers to clean substrates prior to application of CHEM-SEAL 14-WB.

Mixing: CHEM-SEAL 14-WB is ready to use. However, stirring before use is recommended. Product should be kept in a sealed container at all times.

Coverage: 200–300 ft² per gallon (4.91 m² per liter). Coverage depends on the porosity of the substrate and the final gloss required.

For optimum performance and durability, apply CHEM-SEAL 14-WB to seal and protect Chem-Crete StainiX color. Prior to staining interior substrates with Chem-Crete StainiX and sealing with CHEM-SEAL 14-WB, the Moisture Vapor Emission Rate (MVER) of the concrete must be measured and be less than 5 pounds per 1000 square feet per 24 hours (2.5 kg/100 m²/24 hr). If CHEM-SEAL 14-WB is applied improperly or too heavily, the surface may whiten, peel, or become slippery particularly on pool decks or areas where water may remain on the surface.

Compatibility: CHEM-SEAL 14-WB can be applied over virtually all sound substrates such as old masonry, old concrete, new masonry, new concrete, brick, terrazzo, unglazed tiles, natural stone, etc. CHEM-SEAL 14-WB can also be applied over materials to protect against UV degradation – e.g., polyurethane foams.

Limitations:

Minimum substrate temperature: 40°F (4.4°C). Application on wet or water logged substrates is not recommended.

CLEANING

Clean effected areas and tools immediately using water only.

STORAGE

Store the product in cool dry area. Do not expose container to direct sunlight. Do not allow product to freeze. Keep container closed when not in use. Shelf life is 24 months (minimum) in its original unopened container.

SAFETY PRECAUTIONS

As with all chemical products, adequate care must be taken. Avoid direct contact with food, eyes, skin, and mouth. Keep away from children and animals. Breathing mask, goggles, and gloves should be worn during application. Contaminated skin should be washed thoroughly with clean water. If splashed into the eyes, rinse thoroughly with water using an eye-cup Optrex or Isogutt solution, then consult your doctor.

TECHNICAL ASSISTANCE

Please contact International Chem-Crete Corporation for Technical Assistance.

WARRANTY

LIMITED WARRANTY: International Chem-Crete Inc. warrants that, at the time and place we make shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

DISCLAIMER: The information contained herein is included for illustrative purposes only and, to the best of our knowledge is accurate and reliable. International Chem-Crete Inc. is not under any circumstances liable to connection with the use of information. As International Chem-Crete Inc. has no control over the use to which others may put its products, it is recommended that the products be tested to determine the suitability for specific applications and/or our information is valid in particular circumstances. Responsibility remains with the architect or engineer, contractor and owner of the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for specific application and assume all responsibility in connection therewith.



Manufactured by International Chem-Crete, Inc. • chem-crete.com

U.S.A • 800 Security Row • Richardson, TX 75081 • (972) 671-6477

EUROPE • Stanicna 13 • 908 51 Holic • Republic of Slovakia • 421-34-6683181