

PRODUCTNAME

Gem-Seal® WUA ST

Waterborne, Urethane/Acrylic Floor
Sealer



MANUFACTURER

Gemite® Products Inc.

Toll Free: 888-4-GEMITE (888-443-6483)
E-mail: techinfo@gemite.com
Web Site: www.gemite.com

USA

160-3480 East Robinson Rd.
Amherst, New York 14228
Phone 888-443-6483
Fax 888•443•6329

CANADA

1787 Drew Road
Mississauga, Ontario L5S 1J5
Phone 905-672-2020
Fax 905•672•6780

FEATURES

- superior toughness
- excellent flexibility
- superior durability
- high abrasion resistance
- excellent U.V. Resistance
- high bond
- fungus and mold resistant
- highly freeze/thaw resistant;
- easy to clean
- roller or brush applied
- good chemical resistance
- waterborne

PRODUCT DESCRIPTION

Basic Use

Gem-Seal ST WUA is a highly abrasion resistant clear sealer for concrete and wood floors. It is used as a top coat for exterior/interior seamless floors and deck coatings, or as protective coating for tiles, copper, aluminum and brass. *Gem-Seal WUA ST* is used as a floor protective sealer in chemical plants, food processing plants, laboratories, clinics, hospitals, schools, stores, parking decks and other areas.

Composition and Materials

Gem Seal ST WUA is one component, polyurethane-acrylic, high performance, clear sealer, exhibiting an excellent resistance to water, salts and acids. *Gem-Seal WUA ST* is an easy to use material for either interior or exterior applications. It is very easy to clean. *Gem-Seal WUA ST* is applied by spray, brush or roller.

Limitations

Do not apply *Gem-Seal WUA ST* when air temperature or surface temperature are or likely to be lower than 5°C (41°F), when rain is imminent or when relative humidity is likely to exceed 90% at the time of application and several hours thereafter. Cold conditions or condensation adversely affect the appearance of the dried film. Painted surfaces must be tested to check that *Gem-Seal WUA ST* does not wrinkle the existing paint surface. If in doubt, strip back to bare concrete and re seal. The proper surface preparation is essential for successful *Gem-Seal WUA ST*

application. Gemite Technical Service should be consulted before starting a project to ensure that the correct surface preparation and application procedures are followed.

Health and Safety

Refer to Material Safety Data Sheet for toxicity and safe handling information. For brush and roller applications use in well ventilated areas, avoiding contact with skin and eyes. Wear protective equipment. If contact with skin occurs, clean off immediately with a rag and wash with soap and water while removing contaminated clothing. For eye contact flush with running water for at least 15 minutes. For serious exposure by inhalation, remove victim to fresh air and obtain medical attention as needed. If ingested do not induce vomiting. Obtain medical attention immediately. Keep product out of reach of children. FOR INDUSTRIAL USE ONLY .

Colors

Gem-Seal WUA ST is a clear sealer. If color is required contact Gemite Products Inc.

Packaging

Gem-Seal WUA ST is supplied as one component system in 20 L (5.3 USG) pails.

Coverage

Gem-Seal WUA ST will cover approximately 5 - 7 m²/L (200 - 267 ft²/USG) per one (1) coat, depending upon the substrate porosity. Use two or more coats, depending upon the degree of protection required. See detail application instructions below.

Storage and Shelf Life

Gem-Seal WUA ST has a shelf-life of 12 months when stored in unopened containers. Pack aged 36 pails per pallet.

TECHNICAL DATA

Non-volatile solids	25%
Density	1.02 kg/L (8.54 lbs/USG)
Viscosity, KU	58
pH	9
Elongation	75%
Mandrel Flexibility	6 mm (1/4 in) minimum
Overcoating	2-3 hours
Service Time	24 hrs
Taber Abrasion (average weight loss-CS17 wheels, 1000 g weights, 1000 cycles)	54 mg
DOT Hazard Class	Non-hazardous

INSTALLATION

Guide Specifications for various substrate are available and must be followed.

Concrete Surface Preparation

New concrete must be 7 days old before coating and all traces of curing compound must be removed. Remove all loose or delaminated concrete. Clean the concrete surface by shot blasting, scarifying or to remove laitance, dust, dirt and loose deteriorated concrete or paint. Concrete must be clean and dry. On or below grade concrete should not be coated if the water problem exists. Smooth-trowelled or surface-hardened concrete floors require scarifying to insure proper adhesion. Acid etching, powder grinding or sand blasting are recommended methods for roughing the surface.

To remove grease, oil and other penetrated contaminants, use a commercial concrete cleaner or scrub with a strong detergent and rinse thoroughly. Remove all paint or varnish which is not well bonded to the substrate when preparing previously painted concrete. Test small area of well bonded coating to determine if *Gem-Seal WUA ST* will cause lifting, wrinkling or bubbling. If any of these occur, remove paint or varnish by sanding or using a paint remover. If coating is not attached, sand to dullness and clean thoroughly. Contact Gemite Products Inc. for Guide Specifications regarding surface preparation and application of *Gem-Seal WUA ST* over wood floors. The surface preparation procedure should be consulted with the Technical Service of Gemite Products Inc. for each project.

Application

Gem-Seal WUA ST can be applied with a roller, brush, trowel, squeegee or lamb's wool applicator. Apply a minimum two coats. If more than 24 hours elapse between coats, sand before applying the next coat. When skid resistance required, sprinkle fine sand into the first coat, blow-off the excess of sand and apply the second coat. When using *Gem-Seal WUA ST* as a concrete floor sealer apply all coats evenly at the rate of 400 ft² per USG (9.8 m² per L). Under average conditions, coated areas will be ready for light traffic in 12 hours. Normal use of area may be resumed in 24 hours.

Clean Up

All tools and equipment must be cleaned immediately after with water.

AVAILABILITY AND COST

Gem-Seal WUA ST is available worldwide. Contact the manufacturer for the name of the nearest Representative/Distributor and current pricing information.

MAINTENANCE

For cleaning use ammonia free, heavy duty industrial detergents.

WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Gemite's Head Office.

TECHNICAL SERVICE

Technical advice on suitability of *Gem-Seal WUA ST* for specific application, Specification assistance and application advice, contact Gemite Products Inc. Technical Service: USA 888-443-6483 or Canada 905-672-2020.

Short Specification

The protective clear floor sealer will be urethane-acrylic based *Gem-Seal WUA ST*, manufactured by Gemite Products Inc., [USA 888-443-6483][Canada 905-672-2020].