

PRODUCT NAME

Gem-Seal™ UE WB

Waterborne, clear urethane floor sealer



MANUFACTURER

Gemite® Products Inc.

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FEATURES

- One component, waterborne
- Highly self-crosslinking
- Superior durability
- SKYDROL resistant
- Excellent broad chemical resistance; e.g MEK, motor oil, gasoline, break fluid, acid resistant
- Out-preforms 2K urethane sealers
- Can be used in metal applications
- High abrasion resistance
- Excellent U.V. resistance
- Easy to clean
- Roller, brush or spray applied

PRODUCT DESCRIPTION

Basic Use

Gem-Seal UE WB is an 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 UE WB* is SKYDROL resistant and it is used as a floor protective sealer in aircraft hangars, chemical plants, food processing plants, laboratories, clinics, hospitals, schools, stores, parking decks, and other areas. *Gem-Seal UE WB* exhibits a broad chemical resistance, including MEK, gasoline, motor oil, break fluid and it also exhibits an excellent resistance to water, salts and acids. *Gem-Seal UE WB* is an easy to use material for either interior or exterior applications. It is very easy to clean. *Gem-Seal UE WB* is applied by spray, brush or roller.

Composition and Materials

Gem Seal UE WB is a one component, polyurethane, high performance clear sealer with very high level of internal chemical crosslinking.

Limitations

Do not apply *Gem-Seal UE WB* 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 UE WB* does not wrinkle the existing paint surface. If in doubt, strip back to bare concrete and reseal. The proper surface preparation is essential for successful *Gem-Seal UE WB* 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 UE WB is a clear sealer. If color is required contact Gemite Products Inc.

Packaging

Gem-Seal UE WB is supplied as a one component system in 20 L (5.3 USG) pails.

Coverage

Gem-Seal UE WB 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 UE WB has a shelf-life of 12 months when stored in unopened containers. Packaged 36 pails per pallet.

TECHNICAL DATA

Non-volatile solids	32.2%
Density	1.02 kg/L (8.54 lbs/USG)
Viscosity, cps	<500
pH	7.4-8.4
US VOC	265
Mandrel Flexibility	6 mm (1/4 in) minimum
Overcoating	2-3 hours
Contact Gemite Technical Service for additional information	
DOT Hazard Class	Non-hazardous

Gemite Products Inc.

3 & 9

103064 Concrete Sealers
109780 Floor Treatment

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 shotblasting, 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 sandblasting 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 UE WB* 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 attacked, sand to dullness and clean thoroughly. The surface preparation procedure should be consulted with the Technical Service of Gemite Products Inc. for each project.

Application

Gem-Seal UE WB 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 is required, sprinkle

fine sand into the first coat, blow-off the excess of sand and apply the second coat. When using *Gem-Seal UE WB* 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 UE WB 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 UE WB* 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 based *Gem-Seal UE WB*, manufactured by Gemite Products Inc., [USA 888-443-6483] [Canada 905-672-2020].