

EXPOSITE™ WB

Revision: September 2011
Supersedes all previous publications



Product Description

EXPOSITE™ WB is the latest blend of a high performance water-based acrylic concrete sealer that establishes a protective membrane on the concrete surface that both seals and waterproofs. This water-based product is non-toxic and much safer to use than solvent-based products. It contains no silicones, waxes, or oils, and does not chip or peel when applied properly. This product is formulated with methyl methacrylate copolymer resins that results in an extremely tough acrylic surface that has many special qualities. EXPOSITE™ WB penetrates deep into the concrete pores providing superior substrate durability and protection. Treated surfaces shed water, dirt, soot and chemical contaminants to prevent staining and moisture damage to the matrix. It will also enhance the color of integral colored concrete or exposed aggregate concrete by giving it a "wet glossy look". Because of the unusual characteristics of this formulation, it may be used for many different applications.

EXPOSITE™ WB is widely used on concrete substrates to protect against soiling by air-born contaminants or other materials that, by absorption, would cause unsightly substrate discoloration. EXPOSITE™ WB offers surface protection plus water repellency and color enhancement.

Patterned/Stamped Concrete

It is particularly effective on textured patterned concrete surfaces where the irregular texture pattern readily traps dirt and other particles causing discoloration.

Decorative Polymer Concrete

Providing a high performance, tough, durable, protective, topcoat seal, EXPOSITE™ WB enhances the color of surfaces and provides additional chemical and abrasion protection. Water-clear color will not yellow with exposure to sunlight.

Concrete Pavers

It brings out color, protects pavers from fading or color change due to weathering. Helps seal against spillages.

Light Weight Concrete Block

EXPOSITE™ WB penetrates into concrete block pores for in-depth protection against moisture. The moisture exchange in concrete that brings soluble concrete salts to the surface is retarded.

Before using this product, please refer to the Material Safety Data Sheet for additional information. Proper handling precautions MUST be followed. The conditions of use, handling, and application of this product and information (whether verbal or written), including any suggested formulations and recommendations, are beyond Lambert Corporation's control. Therefore, it is imperative that testing be performed to determine satisfaction and suitability for intended use and health, safety, and environmental issues. The following information is meant as a guideline of best industry practices. While Lambert Corporation does suggest adherence to these guidelines, unforeseeable variables and/or developed successful installer practices may cause variation in methods and/or results.

Surface Preparation

Surfaces must be thoroughly cleaned and dry. Remove all dirt, waxes, poorly bonded paints or coatings, efflorescence, laitance and any other foreign material. Apply test to determine bond and compatibility.

Technical Data

Engineering Data		
Color	Water Clear	
Solids	25 – 27% by weight	
Flash Point	0	
Weight per Gal.	7.75 lbs (0.92-kg/L)	
Viscosity	22 Sec	4 Ford Cup
Dry Time	Light Traffic	1 Hour
	Normal Traffic	4-8 Hours
	Max. Hardness	7 Days

Chemical Resistance	
10% Sulfuric Acid	Excellent
10% Hydrochloric Acid	Excellent
10% Nitric Acid	Excellent
40% Sodium Hydroxide	Excellent
100% Vegetable Oil	Excellent
100% Mineral Oil	Excellent
Aliphatic Solvents	Good
Hydraulic Oil	Poor
Aromatic Solvents	Poor
Gasoline	Poor

Packaging: 55-gal (208.2L) Drums 5-gal (18.9L) Pails

*Good maintenance is essential in areas where chemical spillage is likely to occur. It is especially important that such chemical spillage should not be allowed to dry as higher concentrations of chemicals become involved. EXPOSITE™ WB will offer temporary protection to aliphatic solvent spillages but is not designed for areas where continuous spillages of petroleum products (gasoline, hydraulic oils, etc.) may be expected. If spillage removes the coating or wear patterns do occur, EXPOSITE™ WB can be reapplied to the affected area.

CLEAR SEALERS

EXPOSITE™ WB

MASTER FORMAT: 07 19 13
32 13 13 . 13



Test for Moisture

EXPOSITE™ WB is not compatible with surfaces that contain moisture. The application of EXPOSITE™ WB on surfaces that contain unacceptable levels of moisture will result in a cloudy or milky white appearance within the coating itself. Testing for the presence of moisture in a substrate can be done by precision test equipment or by simple imprecise test procedures. Precision testing involves the use of electronic metering devices that measure the moisture content of a substrate. An acceptable substrate will have moisture content of 4% or less. A simple, inexpensive but less precise method of testing for moisture is by using an 18-inch (450 mm) square piece of plastic sheeting securely duct-taped to the substrate. The entire perimeter of the plastic sheet has to be sealed with tape, then observed for 48 hours. Condensation on the underside of the plastic sheet or darkened appearance of the substrate will be evidence of unacceptable level of moisture, and therefore indicating an unacceptable substrate and application should not commence.

Application Methods

Do not dilute or alter product. Apply with spray, brush, roller, or lambs wool applicator: on smooth concrete use spray, lambs wool applicator or short-nap roller; on rough concrete (broomed or textured) use spray, brush, or long-nap roller. Do not allow material to puddle.

Cautions

Rollers tend to incorporate air into product during application especially with excessive rolling. Apply like a lacquer to form a continuous film on the surface without thick or ponded areas. If necessary to brush apply, take care to flow material on surface evenly. Over brushing can cause foaming, pinholes and unsightly appearance. A power airless sprayer will give best results for large areas. Industrial low-pressure type pump sprayer will be best for relatively small areas. To ensure proper application with sprayers, use only clean or new industrial grade sprayer equipped with a non-adjustable fan tipped nozzle, neoprene hose and gaskets. Maintain sufficient pump pressure throughout application. Uniform surface coverage is essential. Avoid puddling in low areas. If material starts to come out in a stream, versus a fog, or starts to come out in spits and sputters, the nozzle has become clogged. Stop immediately and clean nozzle with lacquer thinner before proceeding. Clean the sprayer immediately after use with a lacquer thinner flush.

Texturing Additive

Lambert's premium texturing additive is a micronized crystalline polymer that is specially machined to provide a unique texturing (slip-resistant) aggregate for EXPOSITE™ WB. The particle size is carefully controlled to produce a uniform moderate textured type surface. The rounded shape of the particles of Lambert's texturing additive will provide optimum abrasion resistance without irritating sharp edges thus allowing for easier surface cleaning than other aggregate textured surfaces. Lambert's texturing additive is gentle to bare feet when compared to silica texturing type aggregates making it a high priority item for pool decks and patio areas.

Limitations

Although EXPOSITE™ WB is a clear, film, any clear coating can change the light refraction characteristics of the surface giving the visual effect of a slight color change. Differences in porosity and non-uniformity of application on smooth masonry/concrete might affect the even distribution of EXPOSITE™ WB. Application will give the colored surface a glossy wet look and will generally deepen the color. It will accentuate color variations or trowel burns.

On new masonry surfaces do not apply EXPOSITE™ WB until concrete has been totally cured and moisture is no longer present especially at the surface level. On thin toppings this may be a 24-hour time frame, for 4-inches (100 mm) thick concrete the time frame may be 28 days or longer. Applying EXPOSITE™ WB to a wet or damp surface will cause poor bonding and a milky white or frosty appearance. If applied too heavily, the coating will cure with a milky appearance and the transparency will be impaired. If the excessively applied coating is exposed to rain or flowing water prior to full cure it will turn milky. Prolonged exposure to moisture or water may result in a temporary milky appearance that clears upon drying. This is particularly true on textured or stone surfaces. Application temperature should be 50°F (10.0°C) and rising.

EXPOSITE™ WB does not promote slippage when used on a textured surface. However, water and other liquids when retained on a smooth treated surface will increase the slip potential to some degree.

Coverage

200 to 400 square feet per gallon (4.9-9.8m²/L) depending upon the finish and porosity of the substrate.

Clean-Up

Clean brushes, tools, sprayers, rollers and other equipment with lacquer thinner, toluol, or xylol.

First Aid

Eye Contact: Hold eyelids open and immediately flush with plenty of lukewarm water for at least 15 minutes and call a physician.

Skin Contact: Wash thoroughly with soap and water. If irritation persists, seek medical aid

Inhalation: Remove from exposure; administer oxygen if breathing is difficult

Ingestion: Do not induce vomiting. Small amounts of liquid aspirated into lungs may cause serious pulmonary injury

Safety Equipment: Gloves, goggles and if applied in areas of poor or inadequate ventilation, use mine safety mask and canister

**KEEP OUT OF REACH OF CHILDREN.
FOR INDUSTRIAL USE ONLY.**