

TOUGH-SEAL

WB 501



SYSTEM DESCRIPTION

Tough-Seal WB 501 sealer system is designed for use over interior conventional and architectural concrete surfaces. This system consists of a fast-curing, two-component water-based epoxy primer and a finish coat of a high-performance, two-component water-based polyurethane coating. It is an excellent choice when a low odor, high-performance sealer system is required.

With respects to chemical and abrasion resistance, it is equal to or superior to other commercial solvent-based systems on the market today. Tough-Seal WB 501 will produce only a slight darkening of the substrate to which it is applied, making it ideal for applications where the traditional “color pop or wet look” of a solvent system is not desired. Due to its high level of chemical resistance, it is ideal for automotive areas. Additionally, it has tire stain resistance equal to conventional solvent-based polyurethane systems.

SYSTEM USES

Tough-Seal WB 501 system is designed for use on interior, conventional and architectural concrete.

FEATURES & BENEFITS

- Chemical resistant
- Abrasion resistant
- Impact resistant
- Low VOC
- Qualifies for LEED projects
- Available in a satin finish
- Exceptional durability

COLORS

Tough-Seal WB 501 is available in Clear. In satin or gloss finish.

SURFACE PREPARATION

Surface must be clean, dry and profiled prior to installation. Acceptable methods for preparation are diamond grinding or acid etching. If acid etching, follow APF written instructions. Concrete must have a minimum surface profile ICRI CSP 2, or a texture similar to 120-grit sand paper.

PRODUCTS

- Epoxy 200
- Polyurethane 501

PHYSICAL PROPERTIES

Gloss (60 degrees):	90
Gloss (satin material, 60 degrees):	50-60
Pendulum hardness, sec (ASTM D-4336):	175
Flexibility (ASTM D-222):	passes 1/8 inch
Impact Resistance (ASTM D-2794):	passes 3/8 inch-pounds direct impact
Tabor Abrasion (1000 gm. Load, 1000 cycles, CS 17 wheel):	32 mg. loss
Adhesion to Concrete (ASTM 451):	concrete fails before loss of bond
Volatile Organic Compounds:	100 grams/liter

CHEMICAL RESISTANCE

Refer to Arizona Polymer Flooring Chemical Resistance Guide for full system chemical resistance.

CONCRETE MOISTURE

Calcium chloride in accordance with ASTM-F1869 or relative humidity probe testing in accordance with ASTM-F2170. In the event that test results in 3 pounds per 1000 sq. ft. per 24 hours, or 80% relative humidity, please refer to Arizona Polymer Flooring VaporSolve product information or go to www.vaporsolve.com.

INSTALLATION

Please refer to Tough-Seal WB 501 installation guidelines for information and instructions.

WARRANTY

Arizona Polymer Flooring guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. ARIZONA POLYMER FLOORING MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Arizona Polymer Flooring shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.