



## **WB IR-67**

### ***Water-based Chemical Resistant Polyurethane Sealer***

#### **Description**

This water-based sealer is a two component, 67% high solids, water base, aliphatic polyurethane. The UV resistant, mar resistant, and chemical resistant nature of this product will cause it to outperform most other types of sealers without the unwanted smell of solvents.

#### **Uses**

It has been designed for professional use only and is specified as the finish coat for use in moderate to severe chemical environments or in heavy traffic areas. Apply WB IR-67 as a sealer on a variety of other substrates such as plain concrete, Granicrete textures, acid stained concrete flooring and Granicrete's Acid-Free stained flooring.

Use on Industrial Floors, Garage Floors, Decorative Floors, Restaurant Floors, Food Processing Facilities, Automotive Service Areas.

#### **Advantages**

- ✚ VOC Compliant
- ✚ Chemical Resistant
- ✚ Color and Gloss Retention
- ✚ Impact & Abrasion Resistant
- ✚ No Solvent Smell
- ✚ Water based formula

#### **Coverage**

350-400 square feet per gal as sealer (thin w/extra purified water)

#### **Packaging**

1½ gallon kits premeasured with Hardener A in ½ gallon and Resin B in 1 gallon containers.

#### **Colors**

Clear

## **Pre-Inspection**

Concrete or textured floor must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The concrete should be at least 2500 psi and feel like 50 grit sandpaper. The concrete should be porous and be able to absorb water. A minimum of 28 days cured is required on all new concrete. A moisture test should be conducted to verify the surface is dry.

## **Surface Preparation**

### **As a sealer over concrete:**

When applying directly over concrete as a clear sealer, the surface may be lightly abraded. Make sure no contaminants or prior sealers are present.

### **As a sealer over Granicrete's decorative concrete:**

Make sure no contaminants or prior sealers are present.

### **2<sup>nd</sup> Coat Application:**

Apply directly over prior coat within 24 hours of initial application. When applying over existing surface that has been cured for longer than 24 hours, sand the surface with 100 grit sand paper, remove debris and wipe with acetone just before new application.

## **Mixing**

It is recommended to thin with a maximum total of ½ gallon purified water per 1½ gallon kit. Thinning will aid in penetration, help avoid puddles and help avoid bubbles and unevenness. Make sure to properly neutralize and clean floor if acid stained before.

## **Application**

Material may be squeegeed, rolled or brushed. Re-apply product if needed within 24 hours after previous coating is applied to insure 2<sup>nd</sup> coat's adhesion. If a delay occurs, it is recommended that the surface be sanded and wiped clean with acetone before reapplication.

Immediately after mixing, spread a strip of the batch onto the surface along the edges where it will be cut in using a brush or trowel. Leave remaining material in bucket and spread evenly using a 3/8" non-shedding nap roller cover beginning near the cut in area.

Apply quickly and avoid over rolling, as product will begin to tack-up as it begins to cure.

## **Maintenance:**

Cleaning is best done by mopping surface with mild soap and water or a mild detergent.

For best appearance, reseal the surface every 3-4 years. Reseal by lightly sanding existing coating, cleaning surface, and applying WB IR-67 over dry surface using above application specifications

## Limitations

- ✚ Do not apply in temperatures below 50°F or above 90°F.
- ✚ Do not apply unless temperature is 5° above the dew point or if rain is expected within 24 hours.
- ✚ Do not apply on damp or moist surface as it will whiten or may cause delamination.
- ✚ Opened material must be used within 2 days.
- ✚ 1 gallon must cover at least 275 square feet or it will be too thick to properly cure.
- ✚ Please read MSDS sheet before use (available online).

## Clean Up

Equipment should be cleaned with environmentally safe solvent immediately after use.

### GRANICRETE WB-IR67 – TECHNICAL DATA

	<b>Test Method</b>	<b>Results</b>
Shelf Life		6 Months
Mixing Ratio by Volume A:B		1 : 2
Dry Film Thickness per Coat:	ASTM D-3363	3-5 mils
Tear Resistance DleC	ASTM D-1004-66	270 pli
Tensile Strength	ASTM D-412	3980 psi
Ultimate Elongation	ASTM D-412	60%
Gloss (60 deg)	ASTM D-823	90%
Volume Solids	ASTM D-2697	61.4% by volume
VOC	ASTM D-2369-81	100 g/l
Pot Life (75±3oF)		60 minutes
Taber Abrasion	ASTM D-4060-84	33.9 mg Loss, C17 Wheel, 1000g Load, 1000 Cycles
Impact Resistance	ASTM D-2794-84	Inch-pounds Direct 160 Reverse 160
Pencil Hardness	ASTM D-3363-84	2-H
Viscosity at 75 F (24 C) 50% RH		A-SIDE 600 cps B-SIDE 1500cps
Weight		A-SIDE 9.4 lbs/gal B-SIDE 9.3 lbs/gal
Flash Point		A-SIDE <100F B-SIDE <100F
MEK Resistance		No effect after 100 rubs
<b><u>Chemical and Solvent Resistance (4 Hour Spot Test, Covered)</u></b>		
Skydrol B-4		No Effect
Hydraulic Fluid #83282		No Effect
14% Nitric Acid		No Effect
10% Hydrochloric Acid		No Effect
50% Sulfuric Acid		Stain

50% Sodium Hydroxide	No Effect
10% Acetic Acid	No Effect
MEK	No Effect
Xylene	No Effect

**40 day test covered**

Skydrol B-4	No Effect
Hydraulic Fluid #83282	No Effect

This product is for use by Granicrete Independent applicators only. Wear Personal Protective Equipment.

Read MSDS before using this product.

DOT/Flash Point . Non-flammable Liquid Classification, not regulated.

**Manufacturer/Distributor Warranty:** As neither the manufacturer nor the distributor has control over the actual installation of this product, the manufacturer and distributor disclaim any and all warranties expressed or implied regarding color shade, appearance, and product performance at and after opening product containers. Manufacturer and distributor recommendations and suggestions are made without guarantee. Conditions of installer's and consumer's use of this product are beyond the control of manufacturer and distributor. Manufacturer and distributor disclaim any liability incurred in connection with the use of this product or information contained herein.