



# PRODUCT DATA

## MICOROX<sup>®</sup> 103 PRIMER

MICOROX<sup>®</sup> 103 PRIMER is a multipurpose primer and sealer, based upon a unique chemistry that allows the application of other MICOROX<sup>®</sup> products, including resurfacers, liners, and coatings to green concrete. MICOROX<sup>®</sup> 103 PRIMER is applied to eliminate the conventional 28 day cure time by deeply penetrating into the pores of the fresh concrete surface, and bonding securely to the concrete and the overlayment as well. This primer/sealer provides substantial savings in both cost and downtime. MICOROX<sup>®</sup> 103 PRIMER is an ideal substitute for curing compounds, hardeners, or sealants for new concrete because it prevents the rapid dehydration of new concrete and eliminates concrete dusting, resulting in a better cure and higher concrete strengths.

### PRODUCT DESCRIPTION:

MICOROX<sup>®</sup> 103 PRIMER is a two component, water reducible epoxy primer and sealer for use on green or damp concrete.

### APPLICATIONS:

MICOROX<sup>®</sup> 103 PRIMER designed for use with *green* concrete. The major advantage of using this primer is that it does not inhibit the adhesion of subsequently applied toppings. The new concrete cures completely while the overlay remains securely locked to it without the cracking, blistering or disbonding problems associated with topping *green* concrete.

### USAGE:

- Immediate overlaying of new concrete surfaces
- As a wall board sealant.
- Seals new or old concrete floors.
- A substitute for concrete curing compounds.
- To bond coatings to new concrete.
- To eliminate flash rusting of steel.
- To strengthen existing concrete.
- Over new cementitious grouts or caps used to pitch grade or fill existing surfaces.

### PHYSICAL/CHEMICAL CHARACTERISTICS

**Thickness:** 6.4 mils wft (wet film thickness)  
3.2 mils dft (dry film thickness)

**Viscosity:** . . . . 700 cps. at 25° C/77° F

**Weight Per Gallon:** 9 pounds per mixed gallon

**Flashpoint:** Closed cup:66°C/150° F minimum

**Cure Rate: Allow** . . . 6 hours for tack free  
(at 25° C/77° F) 24 hours hard and dry

**Service Time:** . . . . . 5-7 hours

**Coverage:** . . . . . 250 sq. ft./gal.

### FEATURES:

- Adheres to damp concrete or masonry.
- Eliminates concrete dust.
- Eliminates the 28 concrete cure time.
- Good chemical resistance.
- Fast curing.
- Prevents shrinkage cracks.
- Minimal odor.
- Reduces downtimes and construction time.
- Improves concrete strengths
- Can be applied over asphalt.
- Roller, brush or spray application.

## PACKAGING:

Available in 1½ and 3 gallon units.

	<u>1½ gallon unit</u>	<u>3 gallon unit</u>
Part A:	½ gallon resin	1 gallon resin
Part B:	1 gallon hardener	2 gallons hardener

## PREPARATION:

**NEW CONCRETE:** Use standard Portland cement (type 1) or high early strength (type 3) concrete without additives, hardeners, curing agents or sealers.

Surface must be set so it can be walked on (usually overnight) and must be free of surface dirt, oil spills, etc.

**EXISTING CONCRETE:** Clean and prepare the concrete by mechanical means and /or acid-etch until all foreign matter has been removed. A rough surface is desired to provide an effective bonding profile. Sweep out, vacuum or absorb any standing water. A damp surface is acceptable **however** standing water will prevent penetration of the material.

## APPLICATION:

Mix the **MICOROX® 103 Primer** material by combining 1 Part A Resin and 2 Parts B Hardener. The volume ratio is 1 part resin to 2 parts hardener, (i.e., combine ½ gal. Part A Resin with 1 gal. Part B Hardener). Combine thoroughly for three minutes with mixer. When thoroughly mixed to a uniform consistency the material **must stand** for 15 minutes (induction time) before using.

Following the induction time, pour the **103** onto the surface in a ribbon about 8 to 10 inches wide along the starting edge of the wall. Roller, brush or squeegee the **103** out over the surface to a thin coat of about 3 mils wet film thickness.

When overlaying with Micor Floor Resurfacers, Linings or Coatings allow the **103** to cure to a *tack free* finish. Generally 6 hours at 77° F or longer at lower temperatures.

## TEMPERATURE LIMITATIONS:

During the installation and cure, maintain surface temperatures between 60° F and 80° F. Lower temperatures will affect cure time.. Consult with Micor for details.

**WORKING LIFE:** One hour at 77° F.

## PRECAUTIONS:

Read container labels and Material Safety Data Sheet before using all products. Contact with liquids Part A and Part B can cause irritation. Wear protective clothing. Cover hands with protective cream and/or gloves. Wear chemical splash goggles. Use only with adequate ventilation. **Never** recap a container of mixed material as the continuing reaction may cause an explosion.

## COMPLEMENTARY DATA:

Our full service lab and technical engineers are available to assist you. For complete information on **MICOROX®** systems, contact your local **MICOROX®** Dealer or our factory at 800-284-4308.

**LIMITED WARRANTY:** Micor Company Inc. warrants to the original purchaser of its products that they are in conformance to the formulation standards of Micor Company, Inc. and that such products are free from manufacturing defects. Original purchaser's only remedy is replacement of the product. Micor does not warrant or guarantee the workmanship performed by any person or company installing its products. In no event shall Micor be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties express or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Micor's part. Micor neither assumes nor authorizes any person or persons to assume for us any other liability in connection with the sale of Micor products. This warranty shall not apply to any of Micor's products which have been subject to alteration, abuse or misuse. Micor makes no warranty whatsoever in respect to parts, materials or accessories not supplied by Micor Co. which are used in connection with its products. The term "original purchaser" in this warranty applies to that person, company or corporation to which Micor Company Inc. sold its product or products. The original purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages.

**CAUTION:** Always keep out of the reach of children.