

**MICOROX<sup>®</sup> 145 SEALER** is a 100% solids epoxy novalac coating designed for application in extremely corrosive environments. **145** may be used as either a topcoat for trowel or slurry floors or as a stand alone coating. When used as a topcoat, **145 SEALER** improves the chemical and abrasion resistance of **MICOROX<sup>®</sup> FLOORING SYSTEMS** while improving cleanability. As a coating for old or new concrete it offers outstanding protection from a wide variety of industrial chemicals including concentrated Sulfuric Acid.

### PRODUCT DESCRIPTION

**MICOROX<sup>®</sup> 145 SEALER** is a two component 100% solids epoxy sealer designed to offer outstanding chemical resistance.

#### APPLICATIONS:

**145** is used to enhance the chemical resistance and increase cleanability of **MICOROX<sup>®</sup> FLOORING SYSTEMS** and as a stand alone floor coating for extreme chemical service. On concrete surfaces we recommend using a good penetrating primer such as:

**MICOROX<sup>®</sup> 103 PRIMER:** a two component deep penetrating water reducible epoxy primer.

**WATERPROOFING:** Where waterproofing membrane is required use **MICORTHANE<sup>™</sup> 6-75P ELASTOMERIC PRIMER** per application instructions.

#### AREAS OF APPLICATION:

Containment Areas, Floors, Trenches, Pits. Pump Pads, Sumps, Stock Chests, Wastewater Vessels, etc.

### PHYSICAL PROPERTIES

<b>Compressive Strength</b> . . . . .	9,000 psi (ASTM D-695-77)
<b>Compressive Modulus</b> . . . . .	1.95 x 10 <sup>5</sup> psi (ASTM D-695-77)
<b>Tensile Strength</b> . . . . .	6,600 psi (ASTM D-638-77a)
<b>Tensile Modulus</b> . . . . .	3.4 X 10 <sup>4</sup> psi (ASTM D-638-77a)
<b>Tensile Elongation</b> . . . . .	16.0% (ASTM D-638-77a)
<b>Flexural Strength</b> . . . . .	9,900 psi (ASTM D-790-71)
<b>Flexural Modulus</b> . . . . .	3.7 X 10 <sup>5</sup> psi (ASTM D-790-71)
<b>Hardness</b> . . . . .	80-85 (ASTM D-2240/Shore D Durometer)
<b>Bond Strength</b> . . . . .	>400 psi
<b>Abrasion Resistance</b>	031mg/1000 revolutions.
<b>Water Absorption</b> . . . . .	0.1% (ASTM C-413)
<b>Pot Life</b> . . . . .	45 minutes at 77°F
<b>Cure Rate</b>	Allow 18 hrs for foot traffic 24 hrs for light traffic
<b>Colors</b> . . . . .	Clear and 14 basic colors Custom colors upon request.

**PACKAGING:**

**145 SEALER** is packaged in pre-proportioned units based on gallon quantities

**COVERAGE:**

150 sq.ft./gal. (depending upon the surface coated)

**SURFACE PREPARATION:**

When used as a topcoat for **MICOROX® FLOORING SYSTEMS**: Grind the surface with medium stones and vacuum to remove resulting dust.

When applied as a concrete coating: The surface to be coated must be sound and free of dirt, grease, oil, old coatings. Substrate must be exposed by acid etch or mechanical means.

**APPLICATION:**

**145 SEALER** is extremely easy to install and may be applied by contractors or plant personnel.

On concrete surfaces **MICOROX® 103** makes an excellent primer. Apply the primer in a thin even film. Consult the primer data sheets for mixing instructions.

Mix **145 SEALER** by combining one premeasured container of resin with one premeasured container of hardener. Mix thoroughly with a drill-stirrer. Premix components to disperse any settled fillers or pigments. Materials should be mixed for approximately two minutes. No induction time is required. The material may be applied immediately.

Apply the material by squeegee, roller or brush. Apply in a even 10-20 mils thickness. If a second coat is being applied, timing is important. Allow the first coat to cure for 12 hours. If the second coat cannot be applied within 48 hours., the surface must be sanded before recoating.

**TEMPERATURE LIMITATIONS:**

During the installation and cure of **145 Sealer** surface temperatures of 60° F- 90° F. are recommended.

**CURE:**

**145 SEALER** is ready for foot traffic in 12 hours and ready for light wheeled traffic in 24 hours at 77°F. Complete cure may require 24 to 72 hours depending on temperature.

**HANDLING PRECAUTIONS:**

**READ AND UNDERSTAND ALL CONTAINER LABELS AND MATERIAL SAFETY DATA SHEETS** before using any products. Contact with liquids Part A and B can cause irritation. Wear protective clothing. Cover hands with protective gloves. Wear chemical splash goggles. **Use only with adequate ventilation.**

**COMPLEMENTARY INFORMATION:**

Our full service lab and technical engineers are available to assist you. For complete information on all systems, contact your local dealer of our factory at 1-800-284-4308.

**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.