

MICOROX[®] 1882 SEALER is a 100% solids epoxy coating designed for application in corrosive environments. **1882** may be used as either a topcoat or a sealer. When used as a topcoat, this two-component epoxy enhances the chemical and abrasion resistant properties of **MICOROX[®] FLOORING SYSTEMS** while increasing cleanability. **MICOROX[®] 1882 SEALER** offers superior protection for new and old surfaces when applied as a concrete floor sealer. **MICOROX[®] 1882** is U.S.D.A. approved for incidental food contact.

PRODUCT DESCRIPTION

MICOROX[®] 1882 SEALER is a two-component 100% solids epoxy sealer designed to offer superior abrasion and chemical resistance.

APPLICATIONS:

As a protective topcoat for **Micorox[®] Flooring Systems** to enhance chemical and abrasion resistance and increase cleanability. Superior protection for concrete surfaces when applied as a concrete floor sealer. On concrete surfaces we recommend using a good penetrating primer such as:

MICOROX[®] 103 PRIMER: a two-component deep penetrating water reducible epoxy primer.

OPTIONS:

MICORTHANE[™] 9-82 a two-part chemically resistant non-yellowing urethane sealer for increased resistance to abrasion and wear.

AREAS OF APPLICATION

Clarifiers Epoxy floors Pits Trenches
 Concrete floors Sumps Stock chests
 Wastewater vessels

PHYSICAL/CHEMICAL CHARACTERISTICS

Compressive Strength	11,800 psi
(ASTM D-695-77)	
Compressive Modulus	1.95 x 10 ⁵ psi
(ASTMD-695-77)	
Tensile Strength	7,100 psi
(ASTM D638-77a)	
Tensile Modulus	3.6 x 10 ⁴ psi
(ASTM D-638-77a)	
Tensile Elongation	10.7%
ASTM D 638-77a	
Flexural Strength	12,500 psi
(ASTM D-790-71)	
Flexural Modulus	3.7 x 10 ⁵ psi
(ASTM D-790-71)	
Hardness	80-85
(ASTM D-2240/Shore D Durometer)	
Bond Strength	>400 psi (100% concrete failure)
Abrasion Resistance04 gm /1000 revolutions
(ASTM D-4060, Taber Abrader)	
(5-17 wheel, 1,000 gm load)	
Flammability	Self extinguishing.
(ASTM D-635)	Extent of burning 0.25 inches max.
Water Absorption	0.1%
(ASTM C-413)	
Heat Resistance Limitation:	
	140° F/60° C (for continuous exposure)
	200° F/ 93°C (for intermittent spills)
Cure Rate: allow (at 77°F/25°C)	12 hours for foot traffic
	18 hours for light traffic
	24 hours for normal operations

COLORS: Available in Clear and 14 basic colors. Custom colors upon request.

PACKAGING: 1882 SEALER is packaged in pre-proportioned units based on gallon quantities.

COVERAGE:

150 sq. ft./gallon at 6-10 mils thickness.

SURFACE PREPARATION:

WHEN USED AS A TOPCOAT FOR MICOROX® FLOORING SYSTEMS: To remove trowel marks and present an even, level surface for 1882 SEALER, use a floor grinder with medium stones and vacuum resulting dust before applying 1882 Sealer.

WHEN APPLIED AS A CONCRETE FLOOR SEALER, 1882 SEALER bonds to most existing surfaces with an appropriate primer. Substrate must be exposed by acid-etch or mechanical means for secure bonding. See installation instructions for further details.

APPLICATION:

1882 SEALER is extremely easy to use. It may be installed by a Micor application crew, a local contractor, or plant personnel.

On concrete surfaces MICOROX® 103 Primer makes an excellent primer. Apply the primer in a very thin, even film with no build up or puddling. Coat over the primer before it has completely cured.

Mix 1882 SEALER by combining one pre-measured container of resin with one pre-measured container of hardener. Mix thoroughly with a drill-stirrer. Premix components to redisperse 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 thin, even film of 10-20 mils thickness. If a second coat is being applied, timing is critical. Allow the first coat to harden. If the first coat completely cures, bonding additional coats can be difficult and may require special preparation techniques. Hardening may take place in 3-5 hours at 77° F.

TEMPERATURE LIMITATIONS:

During the installation and cure of 1882 SEALER, surface temperatures of 70° F - 90° F are recommended. 1882 SEALER should also be used at room temperatures.

HARDENING AND CURE:

1882 SEALER hardens for foot traffic in 12 hours at 77°F. Complete cure may require 24 to 72 hours depending on temperature and humidity.

PRECAUTIONS:

Read container labels and Material Safety Data Sheet before using all products. Contact with liquids Part A and B can cause irritation. Wear protective clothing. Cover hands with protective cream and/or gloves. Wear chemical splash goggles. Use only with adequate ventilation.

COMPLEMENTARY DATA:

Use MICOROX® 1882 SEALER Installation Guide for complete installation instructions.

For specific chemical resistance data refer to 1882 SEALER Chemical Resistance Guide.

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.