

MICOROX® 31-79 WALL COATING

MICOROX® 31-79 WALL COATING is a 100% solids, 2 component epoxy sealer designed as a coating for walls. Its high level of thixotropy allows for heavy, non-sagging application on even the roughest concrete surface. 31-79 offers a durable abrasion resistant surface resistant to many common industrial chemicals, grease, oil and cleaning compounds. It enables the applicator to provide a high gloss, completely seamless surface. This allows for easy cleaning and finds uses in industrial and institutional areas where sanitary conditions must be maintained.

PRODUCT DESCRIPTION:

MICOROX® 31-79 WALL COATING is a two component, 100% solids epoxy coating designed for seamless application to vertical surfaces. Its high degree of sag resistance allows single coat applications over the roughest of surfaces and provides a high gloss, easily cleaned chemical resistant coating.

APPLICATIONS:

31-79 WALL COATING provides outstanding abrasion and chemical resistance and will withstand the harsh cleaning requirements of the food, beverage and pharmaceutical industries. It finds use in clean rooms, lavatories, prisons, packing houses and other areas subject to heavy or high pressure cleaning.

PRIMERS:

Depending upon the area of application and the surface being coated, **MICOROX® 103** or **MICOROX® 23-33F** primers may be used to enhance the adhesion of the Wall Coating.

OPTIONS:

In areas of extreme chemical exposure, **MICOROX® 31-79 WALL COATING** may be top coated with **MICOROX® 1882**, **MICOROX® HTX** OR **MICOROX® 145 SEALERS** to provide an even higher degree of chemical resistance.

PHYSICAL/CHEMICAL CHARACTERISTICS

Compressive Strength	10,100 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	2.7%
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 Resistance	0.04 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 tack free
	18 hours for light service
	24 hours for normal operations

Colors: Available in white, grey, and tile red. Custom colors upon request.

PACKAGING:

MICOROX® 31-79 WALL COATING is packaged in premeasured 1 and 4.75 gallon units.

COVERAGE:

Coverage will vary with the surface to be coated, the desired texture and the type of service the coating is being used in. Application rates between 50 and 150 ft² per gallon are common.

SURFACE PREPARATION:

Surfaces to be coated must be free from dirt, grease, oil and old coatings. Loose or contaminated concrete and old coatings should be removed by mechanical means such as grinding or shot blasting. The surface must be dry and dust free before application.

APPLICATION:

On concrete surfaces **MICOROX® 103 OR 23-33F PRIMERS** are highly recommended to improve adhesion and reduce pinholes which may be caused by outgassing. Depending upon the primer used, 2-8 hours will be required before application of the top coat.

Mix the 31-79 wall coating by combining the entire contents of the Part B hardener with the Part A resin. The kit is designed to allow mixing of both A and B components in the resin container. Both resin and hardener should be pre-mixed with a paddle type mixer and an electric drill. The same drill and paddle should then be used to completely mix the two components.

Because of its highly thixotropic nature, **MICOROX® 31-79 WALL COATING** can be applied by brush, roller, squeegee and other conventional means of application. The coating can be varied from smooth to textured depending upon the application method and effect desired. (Consult **MICOROX®** Dealer for additional application suggestions)

No induction time is required and the material should be applied immediately after mixing. Should a second coat be desired, it must be applied after the first coat has hardened and within 24 hours of the initial application.

TEMPERATURE LIMITATIONS:

During installation and cure, surface temperatures of 60° F.-90° F. are recommended.

HARDENING AND CURE:

31-79 WALL COATING hardens in 12 hours at 77° F. Complete cure may require 24 to 72 hours depending on temperature.

PRECAUTIONS:

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

Our full service lab and technical engineers are available to assist you. For complete information on **MICOROX® SYSTEMS** contact us 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.