



PRODUCT DATA

MICOROX[®] FLOORLIFE[™] HTX

Formulated as a chemical and temperature resistant industrial floor, HTX offers outstanding resistance to a broad range of chemical and abrasive conditions. HTX was designed for use in the chemical and paper industry. It features fast cure and the ability to cure at low temperatures. HTX offers outstanding resistance to Concentrated Sulfuric Acid

PRODUCT DESCRIPTION:

FLOORLIFE[™] HTX is a 1/4 inch trowelled epoxy flooring system. Components are:

FLOORLIFE[™] HTX: a three component mortar of epoxy resin, curing agent and blended colored aggregates.

FLOORLIFE[™] PRIMER: a two-part deep penetrating moisture-tolerant epoxy primer.

or

FLOORLIFE[™] 103 PRIMER: a two part deep penetrating water reducible epoxy primer.

APPLICATIONS:

FLOORLIFE[™] HTX bonds to most existing surfaces. Substrate must be exposed by acid-etch or mechanical means for secure bonding. Ideal for restoring old concrete floors and protecting new floors. See installation instructions for further details.

OPTIONS:

COATINGS: To reduce non-slip texture, where easier cleanability is desired and to increase chemical resistance, use **MICOROX[®] HTX SEALER**.

WATER PROOFING: Where water proofing membrane is required, use **MICORTHANE[™] 6-75P ELASTOMERIC PRIMER** per application instructions.

COLORS: Red, Gray and Tan

PHYSICAL/CHEMICAL CHARACTERISTICS:

Compressive Strength . . . 16,100 psi after 7 days (ASTM C-579)

Compressive Modulus: . . . 3.5×10^6 psi after (7 days (ASTM C-579)

Tensile Strength 1,800 psi after 7 days (ASTM C-307)

Tensile Modulus 3.6×10^4 after 7 days (ASTM C-307)

Percent Elongation 2.0% (ASTM D-638)

Flexural Strength 4,200 psi after 7 days (ASTM C-580)

Flexural Modulus 2.1×10^6 psi after 7 days (ASTM D790)

Hardness 85-90 D (ASTM D-2440 Shore D Durometer)

Bond Strength >400 psi (100% Concrete Failure) (ACI COMMITTEE #50503/PP1139-1141)

Indentation No indentation (MIL-D-3134F)

Abrasion Resistance . . . 0.04 g. max. weight loss (ASTM D-4060, Taber Abrader CS-17 Wheel, 1000 g. load, 1000 cycles)

Coefficient of Friction 0.6 (ASTM D-2047)

Flammability Self Extinguishing (ASTM D-635) Extent of burning 0.25 in. max.

Thermal Coefficient of Linear Expansion (ASTM E-831) 2.1×10^{-5} C°

Water Absorption 0.2% (ASTM C-413)

Heat Resistance Limitation:

150° F./ 65° C For continuous exposure

220° F./104° C. For intermittent spills

Cure Rate: Allow 6 hours for foot traffic

18 hours for light traffic

24 hours for normal operations

COVERAGE:

Theoretical: 200 sq.ft./unit at 1/4"

Actual: 180 sq.ft./unit at 1/4"

PREPARATION:

Prepare the surface in accordance with the **FLOORLIFE™** installation instructions. Slabs on or below grade should be installed over an effective moisture barrier. 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.

APPLICATION:

Micor recommends installation of the **FLOORLIFE™ PRIMER** or **103 PRIMER** prior to installing **FLOORLIFE™ HTX**.

Mix **FLOORLIFE™ HTX** by combining conveniently pre-proportioned batches of the three components. Thoroughly mix one container of Part A-Resin with one container of Part B-Hardener for two minutes. Blend with one bag of Part C-Aggregate. Components may be blended in an electric "bucket mixer". Mix thoroughly for four minutes.

TEMPERATURE LIMITATIONS:

During the installation and cure, surface temperatures of 60° F- 80° F. are recommended. **HTX** may be applied at lower temperatures. Consult with Micor for details.

HARDENING AND CURE:

MICOROX® FLOORLIFE™ HTX hardens for foot traffic in 3 to 4 hours at 77° F. Complete cure may require 18 to 72 hours depending on temperature.

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.

COMPLEMENTARY DATA:

Use **FLOORLIFE™ HTX** installation Guide for complete installation instructions.

For specific chemical resistance data, refer to **FLOORLIFE™ HTX** 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.