

MICOROX® FLOORLIFE™ DF

MICOROX® FLOORLIFE™ DF - Formulated as a 100% solids general purpose industrial epoxy flooring with excellent resistance to a broad range of chemical and abrasive conditions. Designed for use in harsh environments of food and beverage processing plants. Features fast cure and has the ability to cure at low temperatures. **MICOROX® FLOORLIFE™ DF** is U.S.D.A. approved for incidental food contact in Federally inspected meat and poultry plants.

PRODUCT DESCRIPTION:

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

FLOORLIFE™ DF 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

103 PRIMER: a two part deep penetrating water reducible epoxy primer.

APPLICATIONS:

FLOORLIFE™ DF 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® 1882 SEALER.

WATER-

PROOFING: Where waterproofing membrane is required use MICORTHANE™ 6-75P ELASTOMERIC PRIMER per application instructions.

PHYSICAL/CHEMICAL CHARACTERISTICS:

Compressive Strength 15,900 psi after 7 days (ASTM C-579)

Tensile Strength 3,300 psi (ASTM C-307)

Percent Elongation 2.0% (ASTM D-638)

Flexural Strength 8,300 psi (ASTM-C-580)

Flexural Modulus of Elasticity 4.0 x 10⁶ (ASTM D-790)

Hardness 85-90 (ASTM D-2240/Shore D Durometer)

Bond Strength >400 psi (100% concrete failure) (ACI COMMITTEE #503/PP1139-1141)

Indentation No indentation (MIL-D-3134F)

Abrasion Resistance . . . 0.04 gm max. weight loss (ASTM D-4060, Taber Abrader) CS-17 wheel, 1,000 gm load, 1,000 cycles)

Coefficient of Friction 0.6 (ASTM D-2047)

Flammability Self extinguishing (ASTM D-635) Exent of burning 0.25 inches max.

Thermal Coefficient of Linear Expansion (ASTM E-831) 2.1 x 10⁻⁵ C°

Water Absorption 0.2% (ASTM C-413)

Heat Resistance Limitation 140° F/60° C (For continuous exposure) 200°F/93°C (For intermittent spills)

Cure Rate: Allow 6 hours for foot traffic (at 77°F/25°C) 18 hours for light traffic 24 hours for normal operations

Colors Red, Gray and Tan

PACKAGING:

One unit of **FLOORLIFE™ DF** contains:
12 containers of Part A - Resin
12 containers of Part B - Hardener
12 containers of Part C - Aggregate

COVERAGE:

Theoretical : 200 sq. ft. / unit at 1/4"
Actual : 180 sq. ft./ unit at 1/4"

PREPARATION:

Prepare surface in accordance with **FLOORLIFE™** installation instructions. Slabs on or below grade should be 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 a good bonding profile

APPLICATION:

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

Mix **FLOORLIFE™ DF** by combining conveniently pre-proportioned batches of the three components. Mix one container of Part A - Resin with one container of Part B - Hardener thoroughly 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.

WORKING LIFE:

Liquids only: 8-10 minutes at 77°F
After mixing with aggregate: 20 minutes at 77°F

TEMPERATURE LIMITATIONS

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

HARDENING AND CURE:

MICOROX® FLOORLIFE™ DF hardens for foot traffic in 3 to 4 hours at 77° F. Complete cure may require 18 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 **FLOORLIFE™ DF** Installation Guide for complete installation instructions.

For specific chemical resistance data refer to **FLOORLIFE™ DF** 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.