# Ultra-Flex FR

## Cooling Tower Repair

**CLASS A FIRE RATED**

**ECO FRIENDLY**

**LEED Compliant**

Lava-Liner's **ULTRA-FLEX FR** is the first and only **Class A Fire Rated** urethane coating that can help achieve **LEED** certification on construction projects, containing post-consumer recycled content. Contains products that the EPA considers can be used antibacterial products.

Now available to the construction industry, Lava-Liner designed and manufactures the successful **Ultra-Flex FR** (Fire Rated) and developed the original EvapLiner and EvapLiner FRA for Evapco, Inc., on a private label basis for the evaporative cooling tower industry. Lava-Liner has continually improved its formulation and has tested and successfully field applied this ECO Friendly LEED compliant formulation for more than 2 years.

Lava-Liner's Class A Fire Rated urethane has more than 15 years of history providing contractors and suppliers with unparalleled waterproofing technology combined with safe and environmentally friendly characteristics.

Flexible Membrane
**Ultra-Flex FR** will:
- Remain pliable to a -60°F (-51°C)
- Softening Point is >400°F (204°C)
- Adheres to:
  - Metal Concrete
  - Fiberglass Wood

**Class A Fire Rated**
Testing was performed in accordance with ASTM E 108-11. Based upon the test results and the classification criteria, the Ultra-Flex FR, manufactured by Lava-Liner, Ltd. Meets the ASTM E 108-11 Class A requirements for roof coverings for installation over noncombustible roof decks.

**ECO Friendly**
Ultra-Flex FR is comprised of materials containing greater than 20% pre and post-consumer reclaimed materials. Additionally, Ultra-Flex FR has a VOC content of less than 75 g/l.

**LEED Compliant**
Meets LEED MR 4.1, MR 4.2 criteria.
Meets LEED EQ 4.1, EQ 4.2 criteria.

Contains chemicals the EPA considers usable as registered antimicrobial products that can inhibit the growth of bacteria, germs or other disease organisms. These chemicals are an integral part of the cured polymer membrane and are built in to prevent; a. the growth of bacteria that can affect the cured membrane, and b. to produce other physical characteristics of the finished product.

Cooling towers that are constructed in whole or in part of combustible materials can support internal fires, resulting in damage severe enough to require the replacement of the entire cell or tower structure.

"Fires in water-cooling towers can create an exposure hazard to adjacent buildings and processing units. Ignition within these structures can be caused by welding or cutting operations, smoking, overheated bearings, electrical failures, and other heat- or spark-producing sources." National Fire Protection Association (NFPA) 214, Standard on Water-Cooling Towers

**Ultra-Flex FR** is Class A Fire Rated and is self extinguishing within 3 seconds. Sparks, heat, flame or electrical failures will not induce a fire.

LEED Category & Section

| Section (Points) | Description | **Ultra-Flex FR** | | |
|---|---|---|---|---|
| Recycled Content | MR 4.1 (1) | Add | MR 4.2 (1) | |
| Low Emitting Materials | EQ 4.1 (1) | Add | EQ 4.2 (1) | |

# Unparalleled Protection!



## WATERPROOF ! FLAMEPROOF! FLEXIBLE! ECO FRIENDLY!

Note: Contains chemicals the EPA considers usable as registered antimicrobial pesticides that can inhibit the growth of bacteria, germs or other disease organisms. These chemicals are an integral part of the cured polymer membrane and are built in to prevent; a. the growth of bacteria that can affect the cured membrane, and b. to produce other physical characteristics of the finished product.

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