

## TECHNICAL DATA

# FLEXGARD MEMBRANE

## PRODUCT #739

### PRODUCT DESCRIPTION

**FlexGard Membrane #739** is a unique 100%, solids, non-shrink, flexible epoxy specifically formulated as an underlayment to bridge surface cracks. Typically used where concrete cracking exists or where there would be an opportunity for cracking, such as higher floors of a building. **FlexGard Membrane #739** has elongation properties of 150%-160% and remains flexible at temperatures down to 0° F.

**FlexGard Membrane #739** has been designed for use underneath other Thermal-Chem polymer flooring systems, to provide a vibration resilient cushion and to deaden sound, as well as act as a crack-bridging solution.

**Packaging:** Kit sizes available are 2 and 10 gallons

### TYPICAL PHYSICAL PROPERTIES

% solids	100%
VOC Content	0 g/L
Viscosity	800-1500 cps
Elongation	150%-160% per ASTM D412
Working Time	20-30 minutes @ 70° F
Dry to Touch	7-9 hours @ 70° F
Recoat Time	7-23 hours at 70° F after 24 hours lightly sand product

### ADVANTAGES

- Cost-effective 100% solids formulation for crack-bridging
- Easy mix ratio of 1:1
- Great crack suppression product for going over wood
- Stays flexible even in environments that have severe temperature swings
- Low odor during application & cure, can be applied in occupied facilities
- VOC compliant with ALL U.S. regulations
- USDA approved

### LIMITATIONS

- Mix ratio is by weight, DO NOT SPLIT KITS
- Consider using a primer such as ArmorPrime #726 for very old and/or deteriorated slabs
- Do not apply at less than 25 mils or 64 square feet per gallon
- Do not thin this product with solvents
- Do not broadcast sand into this product
- Do not apply this product on moist or wet surfaces

### SURFACE PREPARATION

Apply **FlexGard Membrane #739** only to clean and sound substrates. Mechanical preparation by means of shot-blasting or diamond grinding to an ICRI CSP 3/4 is recommended (see ICRI Guideline No. 03732 for additional details).

### PRODUCT APPLICATION

Apply **FlexGard Membrane #739** with a "V" notched squeegee, paying close attention to the product's yield to ensure the required thickness. Backroll with a spiked roller to release any trapped air product and help level. Only mix the amount of product that can be properly applied within 15-25 minutes. Once thoroughly mixed this product should be placed on the surface and NOT LEFT IN THE MIXING BUCKET.

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### PRODUCT HANDLING

Avoid contact of uncured material to skin and eyes, proper PPE should be used during the handling of this product. Clean skin with soap and water. Tools and equipment should be cleaned with a solvent such as a xylene or lacquer thinner. Refer to the Safety Data Sheet for additional information

### LIMITED WARRANTY

Thermal-Chem Corporation warrants its product to be of good quality and will replace any product proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement, **THERMAL-CHEM CORP. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS**, and Thermal-Chem Corporation shall have no other liability with respect thereto, including without limitation, liability for incidental or consequential damages. Any claim regarding product defect must be received in writing within one hundred and eighty (90) days from the date of shipment. No claim will be considered without such written notice or after the specified time interval. The user shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.