

FLEXGARD M

PRODUCT #739

Flexible Membrane Coating or Floor System

PRODUCT DESCRIPTION

739 FlexGard M is a unique 100% solids, two-component, low modulus *flexible* epoxy coating system. This self-leveling, *flexible* membrane produces elongation characteristics of 150% to 160% and remains flexible at temperatures between 0°F and 150°F. A resilient, durable, and tough *flexible* surface that is excellent for bridging non-working or non-moving cracks up to 1/16" wide without additional preparation or the need to address each crack individually.

739 FlexGard M can be applied, using a roller, in a single coat. **739 FlexGard M** can also be applied in several or multiple coats, or with a small, notched squeegee (then backrolled using a spiked roller) for thicker applications. **Minimum application thickness is 30 mils.**

Depending on project requirements and thickness desired, **739 FlexGard M** can be installed from approximately 15 mils to 30 mils in a single lift or application. An appropriate Thermal-Chem topcoat material should be applied to provide improved surface protection or for desired texture.

739 FlexGard M can be used as a waterproofing membrane, under one of the **Thermal-Chem** flooring or coating systems, to provide exceptional stability and flexural strength over concrete or wood substrates that experience excessive vibration or where flexural properties are desired. For use on interior or exterior applications over concrete or wood surfaces as a resilient floor system or as a *flexible* liner to waterproof concrete, metal or wood containment tanks on vertical as well as horizontal surfaces. **739 FlexGard M** provides a smooth finish that has impact resistance, contains no volatiles, and meets VOC guidelines. To avoid unevenness in the finished floor surface, a pre-fill coat may be required.

Degrees

77°F
60°F

Recoat Time

4-5 hrs.
8-9 hrs.

The above table assumes that the ambient temperature, material and substrate are equal.

USES

Typical uses for the **739 FlexGard M** include:

- Laboratories, pharmaceutical and clean room applications
- Flexible membrane coat under many Thermal-Chem floors
- A waterproofing membrane for containment tanks
- Excellent membrane system for mechanical equipment rooms

And, where the following qualities are required:

- Where cracks and joints can not be tolerated
- Flexible/waterproofing protection
- Permanent and durable floor protection

ADVANTAGES

- Remains *flexible* in a variety of temperature ranges
- Suitable for interior and exterior applications
- Superior adhesion to a variety of substrates
- No offensive odors during application
- Bridges non-working or non-moving interior cracks or joints up to 1/16" wide
- Installed by approved applicators
- Volume mix ratio: 1:1

LIMITATIONS

- May require an appropriate Thermal-Chem primer on certain substrates
- Substrate imperfections may show on the surface, a pre-fill coat may be required
- Direct sunlight exposure will cause some slight discoloration
- Structural repair methods for working cracks must be followed
- Minimum application temperatures of 50° F
- Requires an appropriate Thermal-Chem top

coat/resurfacers

- Do not broadcast or fill with sand
- Available in straw and pewter gray
- A variety of textures from a smooth, glossy finish to aggressive texture with appropriate Thermal-Chem top coat

PRODUCT APPLICATION

739 FlexGard M can be applied over the **VaporGard** Coating System in applications where hydrostatic or vapor transmissions could be a potential hazard; and can be used with any of the Thermal-Chem complimentary and repair products; and can be applied as a:

- Neat system by squeegee and bankrolled with a porcupine roller.
- Neat as a thicker, self-leveling coat, backrolling with a porcupine roller.
- Applied in multiple coats up to desired thickness.

PRODUCT AVAILABILITY

Products are manufactured and available through the Thermal-Chem Corporation, 2120 Roberts Drive, Broadview, IL 60155 U.S.A.

Phone: 800/635-3773

847/288-9090

Fax: 847/288-9091

E-mail: sales@thermalchem.com

Website: www.thermalchem.com

TECHNICAL/SPECIFICATION SERVICES

Additional product data, complete technical support and Product Specifications are all available through Thermal-Chem Corporation; or their local representatives.

Every reasonable precaution and effort has been taken in the manufacture of all Thermal-Chem products to comply with the published product data. Actual product performance may vary slightly due to environmental influences and/or existing conditions.

PRODUCT HANDLING

Read the Material Safety Data Sheet thoroughly before use.

Warning: For professional use only. Avoid contact of uncured material with skin and eyes. Contact with skin may result in irritation. Wash skin with soap and water. If contact with eyes should occur, flush with water for 15 minutes and seek immediate medical attention.

LIMITED WARRANTY

Thermal-Chem Corporation warrants its product to be of good quality and will replace any product proved to be defective. Satisfactory results depend not only upon quality products but also many factors beyond our control. Therefore, except for such replacement, **THERMAL-CHEM CORPORATION MAKES NO WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY WITH RESPECT TO 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 days (180) from the date of shipment. No claim shall be considered without such written notice or after the specified time interval. The user shall determine the suitability of the product for the intended use and assumes all risks and liabilities in connection therewith.