

## **FLEXGARD J** **PRODUCT #108**

## **FLEXGARD J GEL** **PRODUCT #109**

Flexible Epoxy Control Joint Fillers

### **PRODUCT DESCRIPTION**

**FlexGard J** is a unique, 100% solids, two-component, low modulus flexible epoxy used to fill control joints and saw cut joints in concrete.

**FlexGard J Gel** is the equivalent of Product 108, **FlexGard J** in a gel consistency for use in vertical and steep slope open face joints.

### **PRODUCT USE**

Typical uses for **FlexGard J** includes:

- Sealing and waterproofing saw cut control joints and voids between concrete slabs and walls.
- Filling “V”d out cracks

For joint materials with other performance characteristics, refer to Thermal-Chem’s **FlexGard Systems**.

### **ADVANTAGES**

- Easy to mix 1:1 ratio by volume
- Retains its flexibility and elongation within a wide range of temperatures
- It’s excellent adhesion and elongation properties prevent salts, water and chemicals from entering the concrete through the saw cut control joint.
- Contains no volatiles and meets VOC guidelines
- Suitable for both interior and exterior use

### **LIMITATIONS**

- Must be applied to a dry substrate
- Limited to narrow control joints (<sup>3</sup>/<sub>4</sub>”)
- Applied to substrates of 50° F and higher
- May slightly discolor when applied to exterior surfaces
- Joints must be completely filled with FlexGard product

### **COLORS AND TEXTURE**

Available in ten (10) standard colors.

### **PRODUCT APPLICATION**

**FlexGard J** may be placed in a clean, sound control joint to produce a seamless floor system or as a stand-alone joint filler. Typically, **FlexGard J** should be placed to a minimum of 25% of the depth of the substrate. This self-leveling joint filler may be mixed and poured, pumped through a joint filling machine or placed in empty caulking tubes for ease of dispensing.

Refer to Thermal-Chem Flexible Joint Filler installation guide.

### **PRODUCT AVAILABILITY**

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

Tel: 800/635-3773 ▪ 847/288-9090  
Fax: 847/288-9091

E-Mail: [sales@thermalchem.com](mailto:sales@thermalchem.com)

Website: [www.thermalchem.com](http://www.thermalchem.com)

## PHYSICAL PROPERTIES

### PHYSICAL PROPERTIES OF THERMAL-CHEM FLEXGARD J RESINS

	<b>Products 108 and 109</b>
ACI 504 Specification	Complies
Tensile Strength, ASTM D638, psi	115 ± 50
Elongation, ASTM D638 160% ± 10	
Durometer Hardness ASTM D2240, Shore A	30 - 60
Shore D	10 - 30
Viscosity, Pourable or Pumpable (1)	Passes
Wt./gal., lbs./gal. ASTM D1963	9.0 ± .2
Specific Gravity, ASTM D1963	1.08
Potlife, 1 gallon, mins. (1)	22 ± 2
Tack-free after application, hrs. (1)	4.0 ± .5
Tack-free after application, hrs. (3)	20 - 24
Cure time after application, days (1)	5 - 7
Solid Content, ASTM D1259	100%
Temperature resistance, dry	160° F
Shelf life, yr. (1)	1

#### Notes:

- (1) 72° F (21° C)
- (2) 33° F (1° C)

Every reasonable precaution and effort has been taken in the manufacturer of all Thermal-Chem products to comply with the published product data. Actual product performance may vary slightly due to environmental influences and/or 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 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 (180) 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.

## TECHNICAL/SPECIFICATION SERVICES

Additional Product Data, complete Technical Support and Product Specifications are all available through Thermal-Chem Corporation; or their local representatives.