

## TECHNICAL DATA

# ARMORGEL

PRODUCT #729

### PRODUCT DESCRIPTION

**ArmorGel** is an ultra high viscosity, two- component 100% solids, solvent-free epoxy polymer gel for pre-filling irregular surfaces, filling porous substrates, correcting surface defects and filling cracks or joints. **ArmorGel** has excellent adhesion and can be applied directly to most substrates without priming. The ultra high build ArmorGel coating produces an extremely tough and durable base/fill prior to the installation of any of the Thermal-Chem flooring systems.

**ArmorGel** is not intended as a topcoat or finish coat and requires the application of an appropriate flooring topcoat. **ArmorGel** epoxy filler can be installed or applied by trowel to vertical and overhead surfaces. ArmorGel is an ideal pre-fill material that provides a non- permeable surface, which is USDA approved and meets or exceeds U.S. VOC guidelines.

### COLOR AND TEXTURE

Available in 10 standard Thermal-Chem colors

### ADVANTAGES

- Mix ratio is 2:1 by volume
- Ease of application
- No offensive odor during installation
- Applied in thickness' of 25 to 250 mils on vertical & overhead surfaces
- 100% solids - VOC compliant
- Good chemical resistance to many common chemicals
- Superior adhesion to various substrates
- USDA approved material
- Available in normal and fast cure

### LIMITATIONS

- Requires minimum application temperature of 55°F (10°C)
- Requires a protective top coat

### USES

Typical uses for the **ArmorGel** epoxy includes:

- Filling porous substrates
- Correct surface defects
- Block filler for CMU & brick surfaces
- Smoothing irregular surfaces
- Filling bug holes in cast-concrete
- An embedment coat for reinforcing mesh
- Or anywhere that a smooth, even surface is required prior to the application of a polymer coating

**ArmorGel** can also be used as a cant cove base material (when mixed with fine silica aggregate), and to correct imperfection in a troweled cove, or as a filler around machine pads and bases.

### PRODUCT APPLICATION

#### Degrees

77° F Normal  
60° F Normal

#### Cure Time

Cure 5 to 6 hrs  
Cure 9 to 10 hrs

The above table assumes ambient, material and substrate temperatures are equal and the material is applied at a minimum of 1/8"

**ArmorGel** can be used with any of the Thermal-Chem repair and complimentary products.

Premix both A and B components separately for approximately one minute. Remove an amount of A component and place in a mixing vessel, then add (2:1 mix ratio by volume) and mix for two minutes. Apply with a margin or regular trowel.

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### CHEMICAL RESISTANCE

Refer to Separate Product Chemical Resistance tables, or for specific product applications contact your local Thermal-Chem representative.

### TECHNICAL/SPECIFICATION SERVICES

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 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

Email: [sales@thermalchem.com](mailto:sales@thermalchem.com)

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

### 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.

**THERMAL-CHEM CORPORATION MAKES NO WARRANTY OR GUARENTEE EXPRESS OR IMPLIED INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

In the event THERMAL-CHEM CORPORATION determines a product to be defective it will at its sole discretion, either replace the product or refund the purchase price. All claims must be made in writing within one-hundred and eighty (180) days from the date of shipment. No claim will be considered without written notice or after the specified time interval.