

ARMORGEL

PRODUCT #729

Ultra High-Build Epoxy Polymer Gel

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..

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 cover 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.

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

COLOR AND TEXTURE

- Available in 10 standard Thermal-Chem colors

PRODUCT APPLICATION

AmorGel is available in either normal or fast cure

| <u>Degrees</u> | | <u>Cure Time</u> |
|----------------|-------------|------------------|
| 77° F | Normal Cure | 5 to 6 hrs |
| 60° F | Normal Cure | 9 to 10 hrs |
| 77° F | Fast Cure | 3 to 4 hrs |
| 60° F | Fast Cure | 5 to 6 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

LIMITED WARRANTY

(2:1 mix ratio by volume) and mix for two minutes. Apply with a margin or regular trowel.

CHEMICAL RESISTANCE

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

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

Website: www.thermalchem.com

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 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.

Thermal-Chem Corporation warrants its product to be of good quality and will, at Thermal-Chem's sole discretion, replace or refund the original purchase price (if payment was made in accordance with Thermal-Chem's payment and credit terms) of any product proved defective or non-conforming. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. **THE PARTIES AGREE THAT THE REPLACEMENT OR REFUND OF PRODUCT PAYMENT FOR DEFECTIVE PRODUCT OR NON-CONFORMING GOODS IS THE SOLE AND EXCLUSIVE REMEDY.** 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 ninety (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.