

## TECHNICAL DATA

# THERMAL CHEM WALL SYSTEMS

PRODUCT #774 WallGard Gel-Block Filler  
PRODUCT #777 WallGard-CR

PRODUCT #775 WallGard Epoxy System  
PRODUCT #778 WallGard-FR

### PRODUCT DESCRIPTION

Thermal-Chem offers an array of 100% solids, epoxy-based wall systems. These systems have been applied over various substrates such as CMU, masonry, concrete, wood, and drywall.

**Product #774 WallGard Gel-Block Filler** An ultra-high viscosity, two-component 100% solids epoxy gel for pre-filling irregular surfaces such as “bug holes” in concrete, and voids in CMU. Typically applied with a trowel and back rolled.

**Product #775 WallGard Epoxy System** A high-build two-component, 100% solids protective coating for walls and ceilings. This unique formulation has been designed to minimize “sag” or runs due to the thickening agents added at our factory. This system is a great substitute for FRP (fiberglass reinforced panels) once applied it becomes a monolithic system that is part of the applied area and does not count on adhesives for its long-term performance.

**Product #777 WallGard -CR** A great wall or ceiling system that is a two-component, 100% solids Novolac epoxy offering the highest degree of resistance from harsh chemicals. This Novolac is highly resistant to both solvents and acids that be used.

**Product #778 WallGard-FR** A heavy-duty wall system that has been fortified by a layer of fiberglass mesh, then coated over twice using our #778 WallGard medium viscosity, 100% solids epoxy to produce a wall system with unmatched tensile and composite strength values.

### SURFACE PREPARATION

1. All wall or ceiling surfaces should be cleaned, dry and peeling paint or coatings must be removed.
2. For concrete and CMU surfaces makes sure that at least 28 days have passed since these were installed to ensure all moisture used is gone. Once dry a CSP 2 surface profile as defined by ICRI Guideline No. 03732.
3. Any large holes can easily be pre-patched using #774 WallGard Gel epoxy block filler.

### ADVANTAGES

- 100% solids formulations producing no offensive odors during application
- Quick Installation times for quick return to service projects
- Cost-effective alternatives to FRP (fiberglass reinforced panels)
- Decorative flake can be applied to offer a high-end decorative look
- Easy to clean, for years of use
- Can be used for both walls and ceilings
- Can be hand-applied or spray applied
- USDA approved

### LIMITATIONS

- Minimum temperature for application is 50° F
- Porous substrates such as drywall and wood, must be primed using Thermal-Chem’s #726 ArmorPrime
- Refer to Thermal-Chem’s Chemical Resistance Guide if the project is to be exposed to chemicals

### 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 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 to be defective. **THERMAL-CHEM CORPORATION MAKES NO WARRANTY OR GUARANTEE 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.