

# ThermalCrete

Polyurethane Concrete Flooring Systems



## Heavy Duty Food Industry Grade Flooring System

Able to withstand frequent hot and cold water wash down cycles, organic acids, aggressive cleaning agents and heavy impact & abrasion.

### Where Used:

ThermalCrete is ideal for all processing areas in dairies, meat, poultry and beverage plants. Also, in restaurants, commercial kitchens & other food processing facilities.

### Advantages:

- Unsurpassed Thermal Shock Protection
- Excellent Chemical Resistance
- Highly Durable Wear Surface
- Slip Resistant Texture
- Includes Antimicrobial Agents
- Solvent Free / Low Odor
- Rapid Cure / Minimum Downtime

ThermalCrete is a three component, polyurethane-cementitious floor system designed to provide the ultimate in concrete floor protection required in food processing & preparation facilities.

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**PROTECTION WHERE YOU STAND**

[www.thermalchem.com](http://www.thermalchem.com) 1-800-635-3773

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## Polyurethane Concrete Flooring Systems

Ideally suited for industrial, institutional and commercial uses, ThermalCrete is offered in slurry, trowel and cove base formulas. ThermalCrete incorporates antimicrobial agents that inhibit the growth of harmful micro-organisms. Because these antimicrobial agents are dispersed throughout the coating system thickness, your floor will be protected for its entire service life.

### Standard colors



Tile Red



Medium Grey



Charcoal Grey

## ThermalCrete Physical Characteristics Chart

Physical Characteristics	Slurry System	Trowel Application
Compressive Strength (ASTM C-579)	6,900 psi	7,100 psi
Tensile Strength (ASTM C-307)	1,040 psi	900 psi
Flexural Strength (ASTM C-580)	2,200 psi	2,000 psi
Bond Strength (ACI 503)	Passes (100% Concrete Failure)	Passes (100% Concrete Failure)
Impact Resistance (ASTM D-2794)	No Damage Minimum of 160 inch-Lbs.	No Damage Minimum of 160 inch-Lbs.
Abrasion Resistance - Grams Loss @ 1,000 Cycles (ASTM D-4060, CS-17)	0.08	0.07
Density (ASTM - C-905)	130 Lbs./FT <sup>3</sup>	130 Lbs./FT <sup>3</sup>
Coefficient of Thermal Expansion (ASTM C-531)	Similar to Portland Cement Concrete	Similar to Portland Cement Concrete
Water Absorption Percent (ASTM C-413)	<0.1%	<0.1%
Resistance to Fungi Growth	Passes	Passes
Softening Point	260°F	263°F
Pot Life When Mixed @ 72°F	20 Mins.	25 Mins.

Thermal-Chem has been manufacturing high performance concrete coating for the Industrial, Commercial and Residential markets since 1976. Our wide range of proven, quality coating systems combined with an experienced network of installation contractors insures the ultimate in floor coating protection.



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