

VERSIGARD

PRODUCT #750

Epoxy Polymer Flooring Systems

PRODUCT DESCRIPTION

A two (2) component, 100% solids, 100% reactive novalac type epoxy flooring system, with excellent resistance to a wide range of dry and liquid chemicals including exposures in many submersible applications. The **VersiGard System** can be applied as a thin mil coating, a slurry system or blended with select aggregates as a troweled overlay. **VersiGard** also provides optimum floor protection from severe abrasion and impact.

The **VersiGard System** provides the ultimate protection from aggressive chemicals on interior as well as exterior applications; and can be applied on dry or moist substrates at temperatures down to 5°C (40°F). **VersiGard** meets VOC regulations, and has no offensive odors during installation (unlike many esters and MMA's).

VersiGard is self-priming as a neat, thin mil coating system, as a slurry or as a prime coat for a troweled overlay. This system can be installed monolithically with a cove base or applied over curbs to create an impervious and seamless application where harsh chemical resistance is critical and chemical containment is an absolute necessity. To create a truly impervious and seamless environment, the **WallGard HP Coating System** can be applied to vertical and overhead surfaces; so that floors, walls, and ceilings become a totally integrated system that provides the ultimate protection from aggressive chemical exposure.

If protection against harsher chemicals is a requirement, use Thermal-Chem's **AcidGard** or **SolventGard**.

For the best protection against chemicals, always apply two topcoats.

Degrees

Recoat Time

VersiGard

77°F

6-7 hrs.

60°F

10-12 hrs.

The above table assumes ambient temperature, material and substrate are equal and material is applied at 20 mils in thickness.

USES

Typical uses for the **VersiGard Flooring System** include:

- Pulp and paper processing
- HAZMAT facilities
- Chemical processing plants
- Textile processing mills
- Photo processing facilities
- Primary and secondary containment areas
- Harsh processing environments
- Chemical storage areas

And, wherever the following properties are needed:

- Substrate protection from chemicals
- Impervious and seamless installation
- Excellent abrasion and impact resistance
- Cleanability of chemical spills and splashes
- Slip-resistance, even in wet areas

TYPICAL PHYSICAL PROPERTIES

Physical Characteristics	VersiGard 750
Hardness, Shore D ASTM D2240	88-90
Bond Strength ACI 503	>350 100% con. failure
Impact Resistance ASTM D2794	160 in./lbs
Abrasion Resistance ASTM D1044	25-30 mg. loss

Tabor Abrasion	
CS-17 Wheel	
1000 gms. Load	
1000 cycles	
Viscosity 77 Degrees F.	800-1200 cps
Viscosity 60 Degrees F.	2000-3000 cps
Compressive Strength	
ASTM D695	13,500
PSI 7 Day Cure	
Aggregate Filled	14,900
Compressive Modulus	
ASTM D695	346,600
Flexural Strength	
ASTM D790	18,050
Modulus	513,600
Tensile Elongation	
ASTM D638	1.9%
Tensile Strength	11,800
Tensile Modulus	562,900
Freeze Thaw Resistance	
ASTM C666	300 Cycles Passes

ADVANTAGES

- A superior chemically resistant surface, even in many submersible applications
- Installed over curbing or with an integral cove base, for a completely seamless installation
- Suitable for exterior or interior applications
- Self-priming product (except troweled applications)
- No offensive odor during installation meets VOC guidelines
- Can be applied over dry or moist surfaces
- USDA approved product
- Installed by approved applicators

LIMITATIONS

- Exposure to high concentration of Acids and Solvents (Refer to **AcidGard** and **SolventGard** product sheets)
- Some chemicals at elevated temperatures
- Only available in normal cure
- Should not be applied as a single coat application

COLOR AND TEXTURES

- Available in six (6) standard colors
- Various textures available, depending on installation method and technique

PRODUCT APPLICATION

The **VersiGard Flooring System** can be installed over the **VaporGard Coating System** in applications where hydrostatic and vapor transmissions could be a potential hazard; or can be used with any of the Thermal-Chem Companion or repair products (refer to catalog). Depending on project requirements, the **VersiGard Flooring System** can be installed as a:

- Thin mil coating system
- Slurry broadcast
- Troweled overlay

Refer to appropriate Thermal-Chem product Installation Guide.

CHEMICAL RESISTANCE

Refer to **Separate Product Chemical Resistance Charts**, 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

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

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.