

SOLVENTGARD

PRODUCT #757

Epoxy Polymer Flooring Systems

PRODUCT DESCRIPTION

This flooring system is a two (2) component 100% solids, 100% reactive epoxy polymer system, designed to restore damaged concrete and protect a new substrate in aggressive environments which are subject to constant chemical spills, excessive wear and high impact. The **SolventGard System** is a unique epoxy polymer that has been specifically formulated for optimum resistance to strong solvents as well as other chemical compounds. **SolventGard** is suitable for use as a durable secondary or primary containment system on horizontal surfaces, and is appropriate for many submersible applications.

A truly versatile flooring system, **SolventGard** is suitable for interior and exterior applications, and can be installed on dry substrates down to 40° F (5°C). **SolventGard** has no offensive odor during installation (unlike many esters and MMA's) and meets VOC regulations.

Adding to its versatility, the **SolventGard Flooring System** can be installed as a thin mil coating, a slurry with optional broadcast, or as a troweled overlay system. This system can also be installed with an integral cove base or over containment curbing, to provide seamless long lasting protection where resistance to strong solvents is a requirement. To create a truly impervious and seamless environment, the **WallGard SR Coating System** can be applied to vertical and overhead surfaces; so that floors, walls, and ceiling become a totally integrated system that provides the ultimate protection from harsh chemical and solvent exposure.

To ensure best possible protection against chemicals, always apply two top coats.

For exposure to acids, refer to either of Thermal-Chem's **VersiGard** or **AcidGard** products.

Degrees

SolventGard

77°F
60°F

Recoat Time

7-8 hrs.
10-12 hrs.

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

USES

Typical uses for the **SolventGard Flooring System**, include:

- Paint booths and paint storage
- Pulp and paper mills
- Textile mill industry
- Chemical processing facilities
- Printing companies
- Hazardous waste storage and reclamation

And, wherever the following properties may be required:

- Slip resistance in wet areas
- Superior abrasion and impact resistance
- Improved chemical clean-up
- Non-porous/seamless surface

TYPICAL PHYSICAL PROPERTIES

SolventGard	
Physical Characteristics	757
Hardness, Shore D ASTM D2240	89-93
Bond Strength ACI 503	>350 100% con. failure
Impact Resistance ASTM D2794	160 in./lbs
Abrasion Resistance ASTM D1044 Tabor Abrasion	20-25 mg. loss

CS-17 Wheel	
1000 gms. Load	
1000 cycles	
Viscosity 77 Degrees F.	1000-2000 cps
Viscosity 60 Degrees F.	2200-4000 cps
Compressive Strength	
ASTM D695	14,500
PSI 7 Day Cure	
Aggregate Filled	16,500
Compressive Modulus	
ASTM D695	372,300
Flexural Strength	
ASTM D790	19,200
Modulus	548,600
Tensile Elongation	
ASTM D638	1.0%
Tensile Strength	12,600
Tensile Modulus	601,300
Freeze Thaw Resistance	
ASTM C666	300 Cycles
	Passes

ADVANTAGES

- A superior solvent resistant formulation, even in many submersible applications
- Low odor during installation and meets VOC regulations
- Provides a seamless installation
- Can be installed with an integral cove base or over curbing
- Self-priming (except troweled applications)
- Contains no volatiles and exceeds VOC regulations
- Can be installed over dry and moist surfaces
- Installed by approved applicators

LIMITATIONS

- Exposure to high solutions of acids (Refer to the **AcidGard** product sheet)
- Should not be installed as a single coat application

COLOR and TEXTURES

- Available in four (4) standard colors
- Various textures available, depending on installation method and application technique

PRODUCT APPLICATION

The **SolventGard System** can be installed over the **VaporGard Coating System** where hydrostatic and vapor transmissions could pose a potential hazard; or can be used with any of the Thermal-Chem Companion or repair products (refer to catalog). The **SolventGard Flooring System** is a product for use as both a base coat and top coat; and can be installed, depending on project requirements, 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 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

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.

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.