

Guardian-PD™




SYSTEM DESCRIPTION

Guardian-PD™ is a spray-applied, multi-layer elastomeric waterproofing system designed for applications requiring high performance waterproofing.

APPLICATIONS

- Podium Decks
- Planters
- Split Slabs, Between Slabs
- Below Grade

BENEFITS

-  Fire ratings (ASTM E84 & ASTM E108) available
-  No noxious odors or VOCs
-  No protection board or root barrier required

COLORS

Standard color of base coat is Tan (Color Code “750”).
Standard color of wearcoat is Dark Grey (Color Code “104”).
Additional colors are available upon request. Color stable topcoats are available for areas of system that will be left exposed and have aesthetic requirements.

REQUEST A DRAW DOWN SAMPLE FOR EXACT COLOR

APPROVALS/STANDARDS

- Miami Dade
- ASTM C836

SYSTEM COMPONENTS



1. **Primer Coat:** Varies based on substrate
2. **Base Coat:** FT-2214, FT-2216, or FT-2550-FR (if fire ratings are required)
3. **Optional Wearcoat:** FT- 4300 w/Aggregate*
4. **Overburden:** Concrete, Paver Systems, Vegetative Roof, etc.

**Note: Topcoats are available for areas with exposed membrane where project requires aesthetic considerations.*

INSTALLATION OVERVIEW

Installation of any Freedom Chemical Corporation's products should be performed by an applicator with documented experience and a quality assurance program.

Refer to the relevant documentation for complete mixing, handling, and installation information.

Project Conditions

Install system when air and substrate temperature meet the requirements of the contract documents or is between 40°F (4.4°C) and 104°F (40°C), whichever is more stringent. Do not install system if relative humidity is above 85%. Refer to Installation Procedure document for information regarding air/substrate temperature and dew point limitations.

Surface Preparation

Concrete Surfaces: Provide clean, dry, and sound concrete substrate. Repair spalls and other defects using approved patching materials. Prepare concrete surfaces in accordance with SSPC-SP13/NACE No. 6 and achieve a Concrete Surface Profile of at least 3 measured using ICRI CSP chips.

Metal Surfaces: Provide clean, dry, and sound metal substrate. Prepare metal surfaces in accordance with SSPC-SP10/NACE No. 2 and achieve a 4-6 mil blast profile measured using a Surface Profile Gauge.

Application of Products

Step 1 (Primer Coat): Mix and immediately pour primer onto substrate in accordance with the contract documents or the Freedom Chemical Corporation Installation Procedure document.

- Application Rate for Concrete: 100-200 ft² per gallon
- Application Rate for Metal: 600-800 ft² per gallon.

Allow primer to cure until tack-free prior to performing subsequent steps.

Step 2 (Base Coat): Apply FT-2214, FT-2216, or FT-2550-FR using plural component, high pressure, heated, 1:1 ratio pump and spray equipment onto primed substrate in accordance with the contract documents or the Freedom Chemical Corporation Installation

Procedure document.

- Application Rate: 14 to 20 ft² per gallon

Minimum Spray Equipment Requirements:

- 2 gallons per minute output minimum
- Static pressure 2,800 psi minimum
- Spraying pressure 2,500 psi minimum

If stone, tile, or asphalt overburden will be placed on waterproofing system, Step 3 below is **mandatory**. Otherwise, Step 3 is optional based on the need for a slip-resistant surface.

Step 3 (Topcoat): Mix and immediately pour FT-4300 onto base coat in accordance with the contract documents or the Freedom Chemical Corporation Installation Procedure document.

- Application Rate: 135 ft² per gallon

Spread material using a notched trowel or squeegee, then back roll using a 1/4-inch nap roller.

Prior to the FT-4300 beginning to gel/set, broadcast aggregate into FT-4300 to refusal. After FT-4300 has fully set, remove excess aggregate.

Return to Service Times

If base coat only installed (FT-2214, FT-2216, or FT-2550-FR):

Open to Pedestrian Traffic	30 minutes
Open to Vehicular Traffic	60 minutes

If topcoat (FT-4300) installed:

Open to Pedestrian Traffic	12 hours
Open to Vehicular Traffic	24 hours