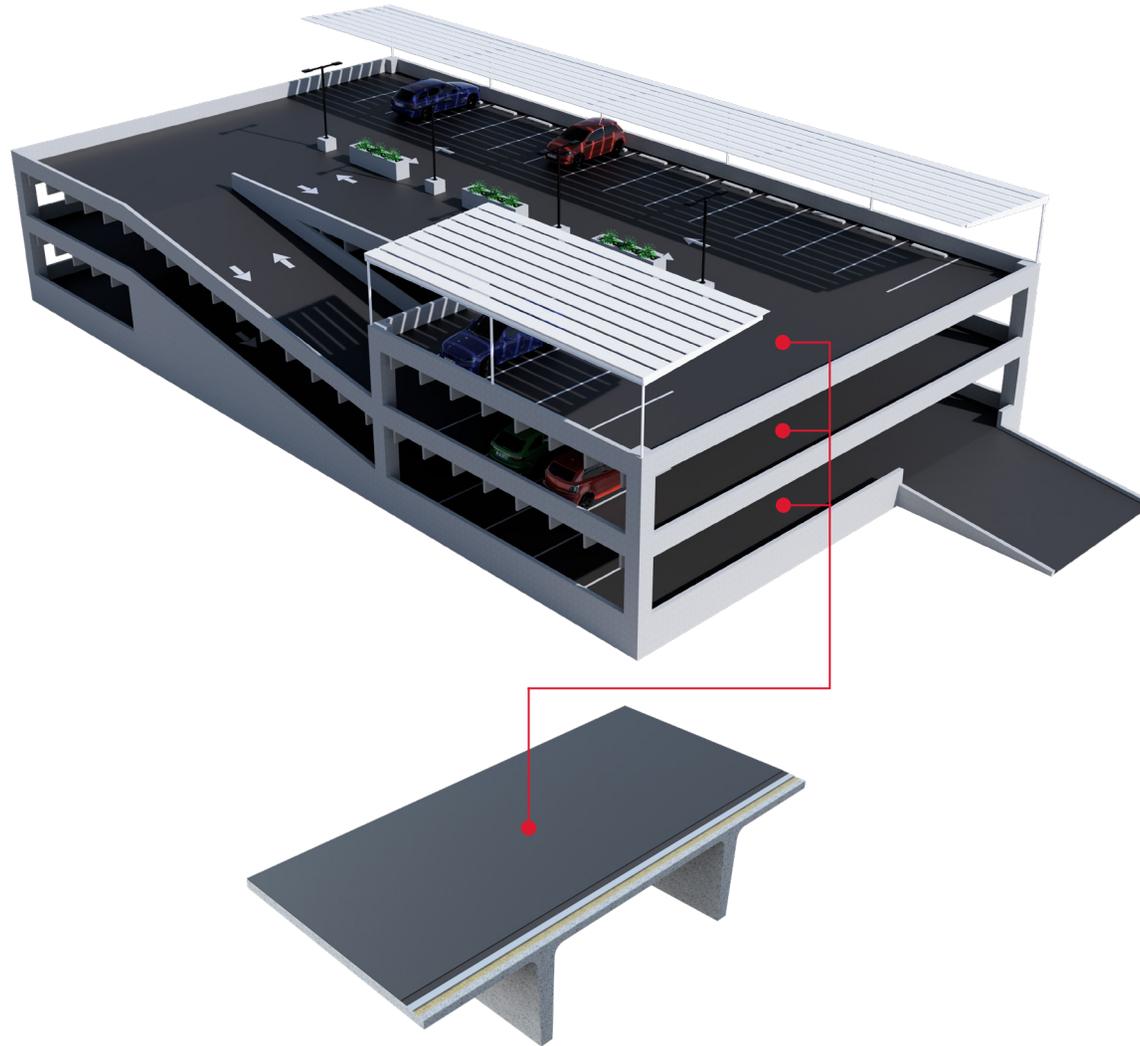


SYSTEM GUIDE

# GuardianDeck



## SYSTEM GUIDE

**GuardianDeck** is a spray and hand-applied, high performance, decorative waterproofing system designed for use on elevated vehicular and pedestrian decks.

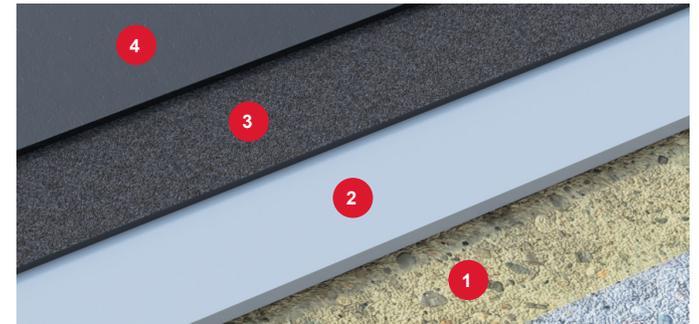
## APPLICATIONS

- Parking Structures
- Vehicular Decks

## BENEFITS

- No noxious odors or VOCs
- Complies with SCAQMD requirements
- Withstands constant water immersion

## SYSTEM COMPONENTS



1. **Primer Coat:** Varies based on substrate
2. **Base Coat:** FT-2190
3. **Intermediate Coat:** FT-4300 w/Aggregate
4. **Topcoat:** FT-4000

## TYPICAL DECK SECTION

FREEDOM™ CHEMICAL CORPORATION • 19685 DESCARTES, Foothill Ranch, CA 92610 • (562) 343-9697

[www.freedomchemicalcorp.com](http://www.freedomchemicalcorp.com)

## COLORS

Standard color of base coat is Tan (Color Code “750”).

Standard color of intermediate and topcoats is Dark Grey (Color Code “104”).

Additional colors are available upon request.

### REQUEST A DRAW DOWN SAMPLE FOR EXACT COLOR

## 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 ft<sup>2</sup> per gallon
- Application Rate for Metal\*: 600-800 ft<sup>2</sup> per gallon.

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

*\*Note: Primer not required on properly prepared metal substrates unless corrosion-inhibiting primer required by project specifications.*

Step 2 (FT-2190): Apply FT-2190 using suitable spray equipment onto primed substrate in accordance with the contract documents or Freedom Chemical Corporation Installation Procedure document, whichever, is more stringent.

- Application Rate: 17 to 33 ft<sup>2</sup> per gallon (48 to 96 mils)

Minimum Spray Equipment Requirements for Step 2:

- 1:1 ratio pump
- Capable of heating material to >160°F
- 2 gallons per minute output minimum
- Static pressure 2,800 psi minimum
- Spraying pressure 2,500 psi minimum

Step 3 (FT-4300): Mix and immediately pour FT-4300 onto previously installed FT-2190 in accordance with the contract documents or the Freedom Chemical Corporation Installation Procedure document, whichever is more stringent.

- Application Rate: 80 ft<sup>2</sup> 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 achieving full set, broadcast a 20x40 nominal sieve size sand into the FT-4300 to achieve a slip-resistant finish. Refer to Installation Procedure document for additional information regarding aggregate requirements.

Step 4 (FT-4000): Mix and immediately pour FT-4000 onto previously installed FT-4300 in accordance with the contract documents or Freedom Chemical Corporation Installation Procedure document, whichever, is more stringent.

- Application Rate: 135 ft<sup>2</sup> per gallon (~12 mils)

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

### Return to Service Times

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