

SYSTEM GUIDE

Guardian-ST



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Guardian-ST is a spray and hand-applied, high performance, decorative waterproofing system designed for use on elevated areas of stadiums and arenas.

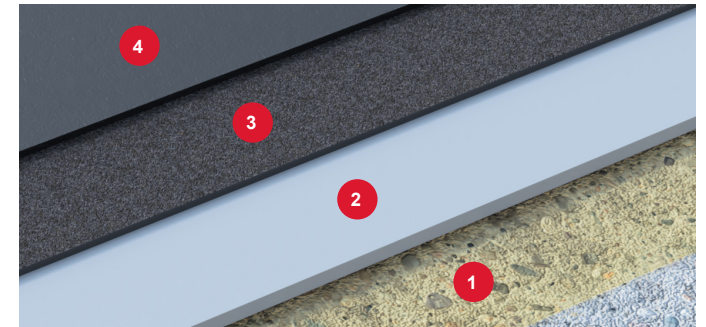
APPLICATIONS

- Stadiums
- Arenas

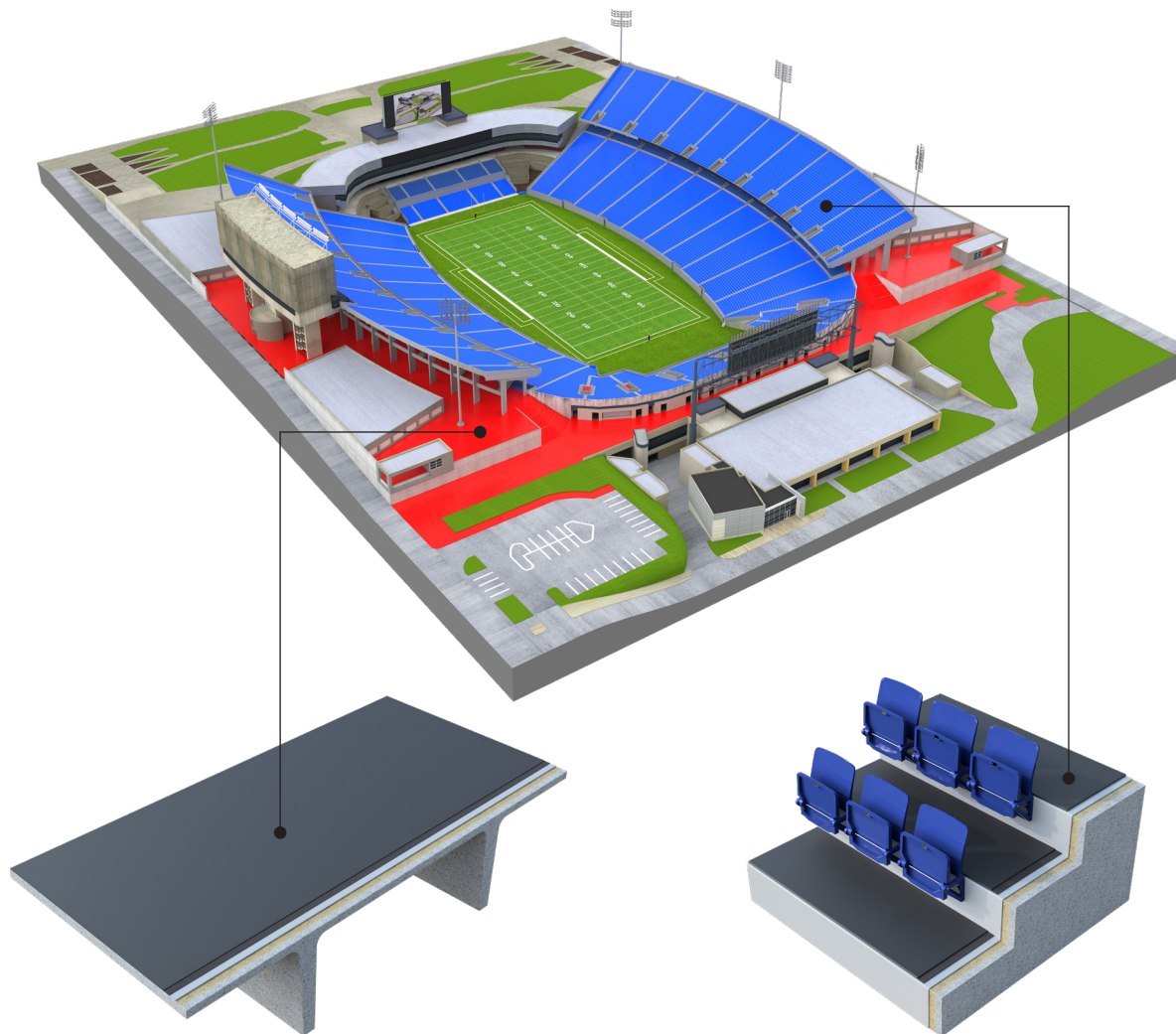
BENEFITS

- 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



ELEVATED CONCESSION AREAS

STADIUM SEATING AREAS

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

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 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 (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: 25 ft² per gallon (64 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 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 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 ft² 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