



Chemical® Corporation

GuardianDeck® GuardianGreen® and FreedomDeck®

Care and Maintenance

TO MAINTAIN YOUR LIMITED WARRANTY THE FOLLOWING IS REQUIRED

Freedom Chemical® Corporation's waterproofing and surfacing systems are designed to avoid the requirement for regular maintenance, as far as possible, as evidenced by their thickness and technical performance.

The client should make themselves aware of the Conditions, Limitations and Exclusions of their Limited Warranty when carrying out these recommendations.

The recommendations we provide on our *GuardianDeck®*, *GuardianGreen®* and *FreedomTuff®* systems are based on many years of experience and are given to the best of our knowledge. However, the wide variety of requirements for a building under the most diverse conditions mean that it is necessary for the building owner, contractor or individual to test these recommendations, methods or products for suitability in any given case. We reserve the right to make alterations in keeping with technical developments or improvements.

GENERAL

In order to maintain the limited warranty and for performance of the system, maintenance must be performed to ensure that the *GuardianDeck®*, *GuardianGreen®* and *FreedomTuff®* systems will provide continued service.

Maintenance and Repair Recommendations are mandatory to maintain the limited warranty:

1. Visual inspection of the surface if applicable.
2. Cleaning of the surface if accessible.
3. Snow and ice removal from Guardian system.
4. Repair of damaged surfaces.

VISUAL INSPECTIONS

Inspections provide a basis for proper maintenance to ensure the life expectancy of the *GuardianDeck®*, *GuardianGreen®* and *FreedomTuff®* systems. If no damage is readily apparent, the system(s) should be inspected quarterly or semiannually for periodic maintenance and any problems reported immediately to Freedom Chemical® Corporation and to the preferred applicator.

1. Quarterly* physical inspections to determine:
 - A. If there are any areas of excessive wear or physical damage to the system.
2. Semiannual** physical inspections must include (but are not limited to):
 - A. Loose or debonded material.
 - B. Cuts or ruptures.

- C. Inspect all expansion joints for proper sealant (caulking) adhesion or other type of failure or physical damage to caulking.
- D. Inspect underside of the deck for evidence of leaks where possible.
- E. Inspect for evidence of structural and/or stress cracking in the substrate, which could cause the system to crack.
- F. Inspect water outlets, drains and scuppers to ensure there is nothing clogging or blocking them.
- G. Inspect building details (i.e. protrusions, parking bumpers, parapet walls, curbs) for structural soundness and any damage to system in these areas.
- H. Inspect areas of high abrasion or wear for loss of aggregate from the coating.

*Maintain written inspection log indicating dates and time of inspections and identity of employees performing the inspection.

**Photograph or videotape system and provide copy to Freedom Chemical® Corporation within thirty (30) days of inspection.

CLEANING

Frequency of cleaning the *GuardianDeck®*, *GuardianGreen®* and *FreedomTuff®* systems will vary based on its location and use.

1. Monthly - Vacuum or sweep deck to remove all loose debris and dirt.
2. Annually - Remove oil, grease drippings, dirt, debris, black tire marks, etc. from the Guardian system.
3. The Guardian systems may be cleaned with cold or warm water low suds, biodegradable detergent, and squeegee excess water from the surface to drains to avoid a slippery surface.
4. Tough stains may require power scrubbing or high pressure water blasting (not greater than 1,500 psi at nozzle), the head of the water lance should be kept at least 18 inches away from the surface at all times, squeegee excess water from the surface to drains to avoid a slippery surface.
5. DO NOT USE SOLVENTS.

Note: Water temperature should not exceed 120° F (48.88° C). Detergents approved by Freedom Chemical® Corporation should be used. Most commercial detergents are acceptable. Brushes should be made from nylon or non-scuff polypropylene.

SNOW & ICE REMOVAL

It is recognized that snow and ice can load a deck beyond its design capacity resulting in structural cracks and serious damage to the *GuardianDeck®*, *GuardianGreen®* and *FreedomTuff®* systems. Therefore immediate removal of snow and ice is required.

The use of metal blades should be prohibited at all times, to prevent physical damage to the *GuardianDeck®*, *GuardianGreen®* and *FreedomTuff®* systems. Rubber blades, snow blowers and snow brooms are recommended, as opposed to heavy snow removal equipment.

Ice should be removed with chemical deicing materials.

POTTED PLANTS AND PLANTERS

Potted plants and planters on the Guardian system or adjacent may cause staining and discoloration to the system.

GUARDIANGREEN® SYSTEM

By definition, the *GuardianGreen®* system membrane waterproofing is not accessible for maintenance and should not require any.

Ensure all drainage points, outlets, and channels, are clear from any blockage because this is where the vast majority of leaks occur.

The *GuardianGreen®* system may be visible at all vertical details such as walls. The system should be inspected for any damage or debonding.

ALL SYSTEM REPAIRS

To protect the *GuardianDeck®*, *GuardianGreen®* and *FreedomTuff®* systems limited warranty, temporary or permanent repairs will be performed by Freedom Chemical® Corporation or the original preferred applicator according to Freedom Chemical® Corporation's current written instructions.

Any work on the building or new penetrations through the *GuardianDeck®*, *GuardianGreen®* and *FreedomTuff®* systems which may affect the integrity and/or warranty of the *GuardianDeck®*, *GuardianGreen®* and *FreedomTuff®* systems will have written the approval of Freedom Chemical® Corporation.

All work will be detailed by Freedom Chemical® Corporation or by the original preferred applicator according to Freedom Chemical® Corporation's current written instructions.

Areas of damage should be reported to Freedom Chemical® Corporation and the original preferred applicator within 30 days of discovery. All repairs will be done by Freedom Chemical® or original preferred applicator within 30 days.

REPLACEMENT OF TOPCOAT

To maintain the appearance of the *GuardianDeck®* and *FreedomTuff®* systems, it is recommended that the top coat (if top coated) be replaced periodically, depending on actual wear and tear (actual time required for recoating will depend on use) by the original preferred applicator or approved by Freedom Chemical® Corporation.

Incredible Stuff, Friendly People and Exceptional Service™

LIMITED WARRANTY: Read all information in the product data sheets, and material safety data sheets (MSDS) before applying material. Product information and instructions are subject to change without notice. Contact your Freedom Chemical Corporation agent or visit our website for current product information and instructions. Products manufactured by Freedom Chemical Corporation are free of defects and will meet Freedom Chemical Corporation's current published physical properties. There are no other warranties given by Freedom Chemical Corporation of any kind implied, or expressed, including any warranty of fitness for a particular purpose, and/or merchantability in connection with this product.

DISCLAIMER: The data and information contained herein doesn't create a material or sales specification. The information contained in this data sheet does not guarantee that any hazards listed herein are the only one(s) which may occur. Product and application instructions are provided for the purpose of establishing a general profile and that they will meet Freedom Chemical Corporation's current published physical properties. Freedom Chemical Corporation makes no claim as to the accuracy of the information, but every effort has been made to ensure the accuracy of information contained in the Technical Datasheet. Reproduction of the information in this document, either as a whole or in part, is forbidden unless written permission has been obtained from Freedom Chemical Corporation.

**12026 CENTRALIA ROAD, SUITE C, HAWAIIAN GARDENS, CA 90716 • (562) 343-9697 • FAX (562) 343-9327
GEORGIA • (678) 259-9283 • www.freedomchemicalusa.com • © OCTOBER 2011 FREEDOM® CHEMICAL CORPORATION**