



NEOGGARD

Preventive Maintenance Manual

*Vehicular Deck Coating Systems
December 2014*

NEOGARD vehicular deck coating systems are designed to be long lasting, monolithic membranes that provide years of trouble-free service. Good general maintenance practices along with preventive maintenance will ensure that the system will continue to provide service for which it is intended. NEOGARD strongly encourages the original coating system applicator be retained for inspections, repairs and cleaning in order to simplify warranty issues involved in alterations or repairs. Vehicular deck coating systems are maintenance systems and will wear over time depending on use. Periodic recoats will be required in high traffic areas such as turns, ramps and ticket spitters to maintain waterproofing integrity.

Know Your Deck Coating System

Be familiar with the type of deck coating system that is installed on your facility. Aromatic, aliphatic, and polyurea urethanes, and acrylic coatings meet different demands and require different products for minor repairs. Keep a deck coating system file that includes product data, a copy of previous inspection reports and contact information for the original deck coating applicator and NEOGARD. Some common causes of damage to traffic bearing coating systems are:

- Opening the facility for traffic prior to proper cure of the system.
- Dragging heavy metal or concrete objects across the coating system.
- Excessive cracking in the structural concrete.
- Damage caused by improperly equipped snow removal equipment.
- Hot-rodging, tire spinning and burn-off.

General Maintenance

Ice Control & Snow Removal

- Ice buildup should be controlled and/or removed with deicing materials.
- Snow removal equipment must have rubber tires. Snow blades must have shoe, rubber tips, or small skis to prevent ruptures in the deck coating system. The use of metal blades without protection is certain to damage the deck coating system.
- Snow blowers with rubber blades and snow brooms are recommended, as opposed to large snow removal equipment.
- Large piles of snow can significantly load the structural deck surface beyond its designed load capacity, resulting in significant structural cracks and/or serious structural damage. Large piles of snow should be removed immediately.

Cleaning the Vehicular Deck Coating System

The intended use of the deck coating system will cause the cleaning frequency to vary. Our recommendations for cleaning are as follows:

- Power scrub entire deck with a non-sudsing detergent (NEOGARD 8500 Biodegradable Cleaner) and water and rinse thoroughly with clean water. Pay particular attention to areas such as ticket spitters, pay booths, ramps and ingress/egress to remove oil build-up and other contaminants from deck. Never use solvents, bleach, alcohol or harsh chemicals to clean coating surface.
- Hose down entire deck with water to remove residue and inspect deck for holes, cuts and ruptures in the deck coating system.

Preventive Maintenance

Preventive maintenance procedures should include *physical inspections* and *periodic cleaning*.

Physical Inspections

The building owner should establish a semi-annual deck coating system inspection program. Inspections should be conducted by qualified personnel, ideally the original coating system applicator, and should define areas of excessive wear or physical damage. Inspections should include the following areas:

- All sealant joints for proper adhesion to the substrate, adhesive or cohesive failure, and physical damage.
- The underside of structure for evidence of leaks (where applicable).
- Drains or scuppers to ensure they are not blocked or clogged.
- Areas where change of plane occurs to determine if there has been excessive movement which caused the deck coating to crack or the flashing to lose adhesion.
- The deck coating surface to determine if there are holes, cuts, or ruptures present.

Note: In addition to scheduled semi-annual inspections, inspections should also be conducted after a major snow event.

Periodic Cleaning

Improper cleaning procedures can damage the deck coating system. Please refer to the General Maintenance section for recommendations.

Emergency Deck Coating Repairs

This section is included for emergency deck coating system repairs only. Minor repairs may be made by owner's maintenance personnel. However, we recommend contacting the original deck coating system applicator to make permanent repairs to protect the integrity of the deck coating system. To make an emergency repair:

1. Carefully remove loose coating from damaged area back to well-adhered material.
2. Wet a clean cloth with xylene solvent and thoroughly clean the damaged and surrounding area.
3. Allow solvent to evaporate.
4. Compatible polyurethane sealant (caulk) or polyurethane waterproofing materials may be used to fill tears or punctures. DO NOT use asphalt or tar modified products.
5. After emergency repairs are made, report them to the original deck coating system applicator and/or NEOGARD immediately.
6. In order for a warranty to be honored, all emergency repairs must be inspected and/or reworked by a NEOGARD applicator.

Structural Repairs

All structural repairs should be investigated by a structural engineering firm and repaired according to their recommendations.

Topcoat and/or Wearing Surface Repairs

Vehicular deck coating systems are maintenance systems and will wear over time depending on use. Periodic recoats will be required in high traffic areas such as turns, ramps, and ticket spitters to maintain waterproofing integrity. Contact the original coating system applicator and/or NEOGARD to evaluate the existing system for recoat recommendations.

Notes



NEOGARD®
CONSTRUCTION COATINGS

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