



Qualideck®

MAINTENANCE MANUAL



Advanced Polymer Technology Corporation (APT) has prepared this application guide to assist applicators in the use of Qualipur Products for the Qualideck® System. Any references to consumptions (coverage rate, etc.) are approximate values and will vary with surface, texture, waste, etc. Before commencing any work, the applicator must become familiar with all product installation procedures.



GENERAL

1. Qualideck® coating systems provide long-lasting, textured, monolithic coating systems that are designed for vehicular traffic, industrial flooring, pedestrian walkways, balconies and sports stadium use.
2. Maintenance of Qualideck® coating systems must be performed at regular intervals to assure that the coating systems continue to function for their intended use.
3. Suggested maintenance procedures should include:
 - A. Periodic cleaning
 - B. Regular physical inspections
 - C. Ice control and snow removal
 - D. Structural repairs
 - E. Coating repairs

CLEANING OF QUALIDECK®

1. The intended use of the Qualideck® coating system will cause the cleaning frequency to vary. Our recommendation for cleaning is as follows:
 - A. Use equipment similar to a Tennant Sweeper over entire deck at least once a month. At areas such as ticket spitters, pay booths, ramps and exits, scrub oil build up and other contaminants from deck with a non-sudsing type detergent and water. (Trisodium phosphate and water, etc.)
 - B. Hose down entire deck with water to remove residue and inspect deck for holes, cuts and ruptures of any kind in the deck coating system at least once every three months. Report any damage to an Advanced Polymer Technology licensed applicator for immediate attention and repair recommendations.
 - C. Power scrub entire deck with a non-sudsing detergent and water and rinse thoroughly with clean potable water every six months. Make an inspection for coating damage and report any damage to an Advanced Polymer Technology licensed applicator for immediate attention and repair recommendations.



PHYSICAL INSPECTIONS

1. Qualideck® coatings systems are subject to physical damage, as a result of abrasive conditions, general use or abuse, and/or damage from structural issues. Some common causes of damage to the system include but not limited to:

- A. Traffic allowed on the coating system before recommended cure times are achieved.
- B. Excessive tire spinning can cause damage.
- C. Driving on flat tires allowing the tire rims to cut into the coating system.
- D. Driving over curbs and rims cutting into coating.
- E. Dragging sharp, heavy objects across the coating.
- F. Improper snow removal equipment and/or methods of removal.
- G. Excessive structural movement causing cracking.
- H. Excessive loads on the concrete deck (snow, sand, construction materials, etc), causing structural damage and movement.

2. Semi-annual inspections should be conducted to identify and define areas of excessive wear or physical damage to the system.

- A. Inspect the coating system for holes, cuts, gouges, or ruptures.
- B. Inspect the sealant joints for adhesion and integrity.
- C. Inspect for excessive oil or other contaminant build up on coatings.
- D. Inspect drains or scuppers to ensure proper outflow and drainage.
- E. Inspect at intersections of ramps and flats for excessive wear.
- F. Inspect all high traffic areas.
- G. Where applicable, inspect the underside of structure for evidence of leaks.
- H. Note all defects, locations, and report to all concerned parties.



ICE CONTROL & SNOW REMOVAL

1. Ice buildup should be controlled and removed.
2. Snow removal equipment must have rubber tires.
3. 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 not recommended.
4. Snow blowers with rubber blades and snow brooms are recommended, as opposed to large snow removal equipment.

Note: Large piles of snow can significantly load the structural deck surface beyond its design load capacity resulting in significant structural cracks and serious structural damage. Large piles of snow should be removed immediately.

STRUCTURAL REPAIRS

1. All structural repairs should be investigated by a qualified structural engineering firm, specializing in parking structures, and repaired according to their recommendations.

COATING REPAIRS

1. For top coating and / or wear surface repairs, please contact Advanced Polymer Technology and / or a licensed APT applicator to evaluate existing conditions and determine necessary repairs.
2. Emergency minor repairs may be made by the owner's maintenance personnel however contact must be made to an APT licensed applicator. All products and methods must be approved by APT and the appropriate APT applicator to protect manufacturers maintenance and material / workmanship warranty agreements.



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