MIRACOTE®

MPC Pedestrian Deck Coatings

Care and Maintenance Manual

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Miracote MPC Pedestrian deck coating systems (including MPC, MiraFlex II & III, and MiraFlex XL) will provide a durable and long lasting, waterproof wearing surface that will withstand years of frequent abuse from pedestrian traffic. To extend service life and benefit from many years of trouble-free service, it will be necessary to implement a regularly scheduled preventive maintenance plan to enable this unique vapor permeable pedestrian traffic protective coating system to provide the performance facility owners expect and for which MPC Pedestrian Deck Coating was designed.

Miracote recommends that facility owners consider engaging the original coating system installer to perform annual inspections, and cleaning or pressure washing to remove dirt, debris, grease and oils. In freeze thaw climates when spring arrives, it is also strongly suggested to pressure wash the deck surface to remove remaining accumulations of de-icing salt or other types of snow melt materials. There are no pedestrian deck coating systems in existence that are maintenance-free. Some degree of wear will occur over time depending on traffic volume and frequency, and specific areas of the pedestrian deck surface that are subject to high volume foot traffic such as queue lines at amusement parks that are well known for such severe abuse. After some years of service, a re-coat may be required in these abusive traffic areas in order to maintain surface texture and waterproofing integrity.

Create and maintain a Miracote MPC coating system file that will hold all pertinent data, including but not limited to, technical product data, material safety data, warranty information, inspection reports, and contact information for material supplier and the installation contractor.

Some common conditions to avoid that can be the cause of damage to any traffic bearing coating system are as follows:

- Exposing the deck coating system to pedestrian traffic without sufficient time to fully cure.
- Dragging large concrete, metal or other type of objects across the deck coating system.
- Extensive cracking of the concrete substrate due to settlement, shrinkage or poor joint design.
- Exposure to snow removal equipment not in conformance with care and maintenance limitations.
- Not equipping tables, chairs, grills or other similar objects with protective rubber boots.

General Care and Maintenance

Cleaning Your MPC Deck System

When and how often the deck coating system should be cleaned will be dependent on volume and frequency of vehicular traffic exposure, and environmental conditions such as severity of winter, tropical storms, hurricanes and other weather-related events. It will be solely up to the facility owner's discretion. Regardless, Miracote recommends the following guidelines:

- Regular sweeping of surface to remove dirt and gravel that increase the abrasive effect of tires.
- Remove gum on a regular basis using a service provider, or in-house with a non-metallic putty knife.
- Monthly hose down deck slabs with potable water to remove debris, and inspect deficiencies.
- Consider the use of walk behind scrubber for cleaning the entire deck using a pH neutral detergent.
- If pressure washing, use a 45° fan tip @ low pressure (<1,000 psi) and keep wand distance @ 12".
- Hot pressure washing is acceptable provide water temperatures are maintained <180°F.
- If any surface deficiencies or damage is noted contact your original installer for inspection.
- Avoid use of harsh chemicals such as, bleach, solvents, alcohol, or undiluted acids when cleaning.

Winter Snow Removal & Ice Control

- Allow nothing but pneumatic rubber tire snow removal equipment on the MPC Deck surface.
- Snow blowers with rubber blades, or snow brooms are the preferred method of snow removal.
- When using snow plows, metal blades must be avoided. Use only rubber or polyurethane blades.
- To protect the coating and concrete deck, immediately remove large heavy piles of snow.
- Consider the use of commercial snow melt equipment that can be easily towed to the top deck.
- Hot pressure washing is acceptable provide water temperatures are maintained <180°F.
- The use metal scrappers/chippers to remove ice will damage the coating. Only use deicing materials.

Annual Inspections and Preventive Maintenance

As previously mentioned, in addition to regularly scheduled cleaning and maintenance, annual or semi-annual inspections should be performed for the discovery of any damage or issues with the pedestrian traffic deck coating or the underlying concrete deck that may have occurred over time, or after a snow storm or other severe weather event. Inspections can be performed by the consulting engineer of record, or the original installer of the MPC Pedestrian Deck system. The following is a brief checklist that includes, but is not limited to, what should be involved in performing an inspection:

- Walk the underside of the concrete deck to identify any evidence of leakage from the top side.
- Inspect all horizontal surfaces for any appearance of blisters, ruptures, delamination's, or cracking.
- Check all sealant joints for integrity, including adhesive or cohesive failure, or any other damage.
- Observe and/or test all drain and scupper locations for potential of blockage or clogging.
- All penetrations, transitions, and changes of plane should be inspected for any discontinuities.
- Immediately notify consulting engineer, original installer and/or manufacturer to report any issues.
- Avoid any attempt to implement corrective measures either in-house, or by another contractor.