Pacific Polymers

SCHEDULE “A”

MAINTENANCE MANUAL

(PACIFIC POLYMERS®-ELASTO-DECK 5000-SERIES)

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RECOMMENDED MAINTENANCE PROCEDURES FOR
Pacific Polymer® DECK COATINGS

Manufactured by:

ITW Polymers Sealants North America

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1. GENERAL

A. Maintenance of the Pacific Polymer® Deck Coating Systems must be performed at regular intervals to assure that the coating system will continue to provide service for which it was intended.

B. Maintenance procedures should include:

- **a. Periodic physical inspections**
- **b. Cleaning**
- **c. Snow removal and ice control (where applicable)**
- **d. Repairs to structure**
- **e. Repairs to coating system**
- **f. Periodic replacement of Topcoat**

2. INSPECTIONS

A. The deck coating system is subject to extreme abrasive conditions as well as to physical damage from general use and damage resulting from structural problems. Periodic inspections will provide a basis for the proper maintenance work to assure a long life expectancy of the coating system.

B. Monthly-make a physical inspection to determine if there are any areas of excessive wear or physical damage to the coating.

C. Semi-Annually-make a thorough physical inspection. Such inspections should include, but are not limited to:

- **a. Inspect the sealant in the joints for proper adhesion. Also determine if there is any cohesive failure or physical damage to the sealant.**
- **b. Where possible, inspect the underside of the joints for evidence of leaks.**
- **c. Inspect the areas where beams are resting on columns for evidence of stress cracking or excessive movement.**
- **d. Where possible, inspect the entire structure from the underside of the deck for cracks, which show evidence of a difference in the plane of the materials on each side of the crack.**
- **e. Inspect drains or scuppers to ensure there is nothing clogging or blocking them, to avoid ponding water on the deck.**

f. **Inspect areas in juncture of horizontal deck and vertical sections (i.e.: parapet walls, planter walls, building walls, curbs, etc.) to determine if there has been excessive movement at this point which may have caused the coating to crack.**

g. **Inspect coating at the base of parking bumpers (in the case of parking deck coating systems) to determine if there has been any damage to coating as a result of movement of the bumper.**

h. **Inspect coating surface to determine if there are any substantial structural cracks in the substrate, which have caused the coating to crack.**

i. **Inspect areas which are subject to high abrasion and wear, such as;**

(1) **Vehicular Traffic Decks: turn radius, entrance and exit ramps and other start/stop areas for excessive wear or loss of aggregate in the coating.**

(2) **Pedestrian Decks: Top of stair landings, stair treads, doorways, narrow walk through areas, etc.**

(3) **Other Decks; Inspect entire surface for high wear areas.**

3. CLEANING

A. **The use and location of the deck will cause the cleaning frequency to vary. Our recommendation for cleaning is as follows:**

a. **Weekly - Sweep or rinse deck to remove loose debris and dirt.**

b. **Monthly - Thoroughly clean the deck to remove dirt, debris, oil or grease drippings, black tire marks, etc. Cleaning may be by:**

(1) **Scrubbing with a mild cleaner, such as Simple Green, or any other low suds, biodegradable detergent.**

Requires thorough rinsing to avoid being slippery when wet or stains from sun affecting detergent residue.

(2) **High pressure water blast. (not greater than 1,000 psi at nozzle)**

c. **Avoid the use of strong solvents, especially hydrocarbon type solvents.**

4. SNOW REMOVAL AND ICE CONTROL

- **A. It should be recognized that piled snow can significantly load the deck surface beyond its design load capacity resulting in significant structural cracks and/or more serious structural damage. Therefore, immediate removal of piled snow is recommended.**
- **B. The use of metal blades should be avoided at all times to prevent physical damage to the coating system.**
- **C. Snow Blowers (with rubber blades) and Snow Brooms are recommended, as opposed to heavy snow removal equipment.**
- **D. Ice should be removed with chemical deicing materials.**

5. REPAIR TO STRUCTURE

- **A. All structural repairs should be at the direction of a Structural Engineer.**

6. REPAIRS TO DECK COATING MATERIALS

- **A. Minor repairs may be made by owner's maintenance people, however, it is suggested that to protect the manufacturer's warranty, major repairs should be accomplished by the original, preferred applicator.**
- **B. Physical damage to the coating system:**
  - **a. Remove damaged coating materials back to well adhered material.**
  - **b. Thoroughly clean the exposed substrate and existing coating surrounding the area with a clean cloth that has been wet with solvent.(Acetone)**
  - **c. Allow solvent to evaporate (1 hour at 75F, 50% R.H.).**
  - **d. Apply Elasto-Deck 5001NG, base membrane, over exposed plywood substrate, in a thin film thickness of 10 mils, up to the fully adhered coating. Allow base coat to cure over-night. When coating over concrete a primer must be used. (Elasto-Poxy Primer VOC, Elasto-Poxy Primer W.B. or**
  - **e. DECKTHANE) Install the Elasto-Deck 5001NG base membrane, over concrete primer after 2 hours not to exceed 8 hours. Allow base coat to cure overnight.**
  - **f. Install the coating system to the original film thickness, extending each coat onto the existing coating, feather-edging the terminating edge of the coating. If multiple coats are required (i.e.: coating removed to the original substrate), allow for an overnight cure (16-24 hours) between coats.**

6. REPAIRS TO DECK COATING MATERIALS (continued)

g. Allow the repaired area to cure for 24-48 hours (minimum), before exposure to foot traffic.
It is recommended that after repairs are made, that a new Topcoat of the Elasto-Glaze 6001AL-HT be applied using Elasto-Poxy Primer VOC. The new Topcoat will cover repaired areas and renew the life of the existing coating system.

C. Excessive Wear Areas.

a. Thoroughly clean entire area with steam cleaner, power scrubber or high pressure water blast.
b. Allow area to become completely dry (minimum 24 hours).
c. Apply Elasto-Poxy Primer VOC at a rate of approximately 250-300 sq.ft. per gallon in a thin, even film thickness. Avoid puddles or ponding of primer. Allow primer to cure for 2 hours minimum. (Not to exceed 8 hours)
d. For Vehicular Decks:

1. In the event of extreme abusive wear exposing the Elasto-Deck 5001NG, Base Coat membrane, apply a new coat of the Elasto-Deck 5001NG Base Coat membrane at a rate of 45 sq.ft. per gallon. Feather-edge terminating edges.
2. Allow the Elasto-Deck 5001NG Base Coat membrane to cure over night at temperature above 77F. Lower temperatures will extend the cure time. All open or unused material must be used within 2 to 3 days. This product is moisture reactive.

e. Open the pail of the Elasto-Glaze 6001AL-HT Top Coat, and stir contents to ensure of no settlement on the bottom of the pail and that all of the pigment is disbursed into the liquid.
NOTE: To ensure color conformity, all containers should have the same lot/batch number.
f. Apply Elasto-Glaze 6001AL-HT at a rate of 115 sq.ft. per gallon. While material is in the fluid condition, broadcast aggregate into the wet coating and back roll with a wet roller to evenly distribute the aggregate.
Vehicular decks require two (2) coats in high wear areas. Allow for an overnight cure between coats.
g. Allow Elasto-Glaze 6001AL-HT Topcoat to cure for 48 hours before exposure to vehicular traffic.

7. REPLACE TOP COAT

A. To maintain the aesthetics and wearing properties of the Pacific Polymer®Deck Coating System, it is recommended that the Topcoat (Elasto-Glaze 6001AL-HT) be replaced as necessary.

B. Replace Top Coat per the following procedure:

a. Thoroughly clean entire area with steam cleaner, power scrubber, or high-pressure water blast.

b. Allow area to become completely dry (minimum 24 hours).

c. Apply Elasto-Poxy Primer VOC at a rate of approximately 250-300 sq.ft. per gallon, avoid puddles or ponding. Allow primer to cure for a minimum of 2 hours. (Not to exceed 8 hours)

d. Open the Elasto-Glaze 6001AL-HT and stir contents to ensure no settlement on the bottom of the pail and that all of the pigments are disbursed into the liquid.
Note: To ensure color conformity, all containers should have the same lot/batch number.

e. Apply the Elasto-Glaze 6001AL-HT Topcoat at a rate of 115 sq.ft. per gallon. While material is in the fluid condition, broadcast aggregate into the wet coating and back roll with a wet roller to evenly distribute the aggregate.
Vehicular decks require two (2) coats in high wear areas. Allow for an overnight cure (16-24 hours) between coats.

f. Allow Elasto-Glaze 6001AL-HT Topcoat to cure for a minimum of 48 hours for pedestrian traffic and 72 hours for vehicular.

Note: All cure times are based upon standard conditions of 75F, 50% R.H.
Lower temperatures will significantly increase the cure time.
Higher temperatures will slightly decrease the cure time.

INDIVIDUAL TECHNICAL DATA SHEETS ARE AVAILABLE FOR ALL Pacific Polymer® Brand COMPONENTS REFERRED TO HEREIN @ (www.pacpoly.com)

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