

GacoDeck systems are seamless, two-component, urethane membranes that incorporate organic granules for added slip resistance. The synthetic rubber-like finish of GacoDeck systems won't shrink, crack, chip, peel, lift, or buckle from normal expansion and contractions caused by temperature shifts or freeze/thaw cycles. When properly applied, GacoDeck systems will prevent leaks in your structure.

## 1. INSPECTIONS

GacoDeck surface membrane should be inspected at a frequency of twice a year. It is recommended that inspections and repairs be made in the early spring and in the late fall. Repairs are difficult to achieve during the winter season.

Items to look at include:

- A. Cuts, tears, or delamination of the coating.
- B. Flashing at curbs, walls, penetrations and drains.
- C. Areas of heavy wear exposing concrete substrate.
- D. Spalling or structural damage to the substrate.

## 2. MAINTENANCE AND REPAIR

A. **Superficial Cuts and Surface Damage:** Clean the surface free of oil and grease or any accumulated soil using a liquid detergent and a thorough rinse of clear water. Wiping with GacoFlex T-5112 solvent can be used in lieu of a detergent provided that all oil and grease is removed from the surface and not just spread around. When area is completely dry, apply GacoFlex U-66 Series urethane coating at the rate of one gallon per 100 square feet (4.1 L/10m<sup>2</sup>). Allow to cure 48 hours before subjecting to traffic. See attached product data sheet for specific instructions on the use of U-66 Series urethane.

B. **Cuts, Delaminations, and Areas of Heavy Wear:** Remove all loose coating, cutting back to a firm, secured membrane. Clean thoroughly with a liquid detergent followed by a clear water rinse. When the area is completely dry, prime the concrete with GacoFlex E-5320 epoxy primer applied at the rate of ½ gallon per 100 square feet (2 L/10m<sup>2</sup>). (No primer is necessary on plywood.) Carry E-5320 several inches onto the existing membrane. Allow the E-5320 to fully cure in accordance with the attached GW-2-2, Priming Instructions. Apply GacoFlex U-66 Series urethane at the rate of one gallon per 100 square feet (4.1 L/10m<sup>2</sup>) (16 wet mils (.4 mm)), carrying coating onto the edge of the old membrane and feathering out so as not to leave an abrupt edge. When cured apply GacoFlex U-66 urethane at the rate of one gallon per 100 square feet (4.1 L/10m<sup>2</sup>). Broadcast 18/40 (1 mm/.42 mm) Shelfil Granule into the wet coating to uniformly cover the surface. When texture coat has cured, sweep loose granule and apply two coats of GacoFlex U-66 urethane in the desired color at the rate of one gallon per 100 square feet (4.1 L/10m<sup>2</sup>) per coat. After final coat, allow a minimum of 48 hours curing time before subjecting surface to traffic.

C. **Recoating For Cosmetic Purposes:** To recoat a deck to change color or to improve overall appearance, the entire surface must first be cleaned with a liquid detergent and thoroughly rinsed with clean water. All dirt, grease and accumulation of soil must be removed. After the surface has completely dried, apply GacoFlex U-66 Series urethane coating at the rate of one gallon per 100 square feet (4.1 L/10m<sup>2</sup>). Allow 48 hours before subjecting to traffic.

D. **Repair of Damaged, Spalled or Structurally Unsound Concrete:** Remove loose concrete to a firm substrate, and loosen and remove coating back to a firm edge. Fill voids or spalled areas with 100% solids epoxy sand grout and allow to

cure. (See GW-1-1). Surface of grout should have a slight "tooth" and should not be glazed. Repair as per paragraph B.

**E. *Repair of Delaminated Plywood or Replacement of Defective Plywood and Correction of Defective Nailing:***

1. Small areas of single ply delamination can be cut out, refitted to size and bonded in place using U-66 coating as a contact adhesive. Coat both surfaces with U-66 and allow to dry a minimum of one hour but no more than three hours. Place the repair back into the space and firmly press into place. Recoat area as per paragraph B.

2. Remove areas of defective plywood including rotted areas, multi-ply delamination or structurally damaged sections back to adequate structural support; i.e. joists, beams. Replace sections of plywood fitted to repair area. Nail with annular or spiral shank nails. With grinding disk, feather off old GacoDeck flush with plywood repair. Coat new plywood with U-66 at rate of one gallon per 100 square feet (4.1 L/10m<sup>2</sup>); then treat joints in accordance with GW-1 Detail. When dry, apply U-66 at one gallon per 100 square feet (4.1L/10m<sup>2</sup>) to repair area and broadcast 18/40 (1 mm/.42 mm) granule into wet coat to establish texture, feathering out on old deck surface. A cosmetic coat per C above can be applied for best uniform color.

3. Defective nailing is usually apparent by "popped" nails that have backed-up out of the deck. This condition is usually due to the use of "smooth" shank nails. To repair, remove nails and re nail with next size larger, non-rusting annular ring, spiral shank or hot-dipped galvanized nails. Repair area over nails per E.2. above.