

Gaco Western

S I N C E 1 9 5 5

Application Specification:

RC-U
April 2014
Supersedes 5/06

DIVISION 07 18 13: RECOATING OF ELASTOMERIC POLYURETHANE DECK COATING SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

This section describes the requirements for recoating liquid applied Polyurethane Coating on an existing deck. The intended use is suitable for residential and commercial foot traffic, patio furniture and similar equipment. This specification is not intended for use over on grade concrete.

1.2 DELIVERY, STORAGE AND HANDLING

- A. Store all coating materials in the original unopened containers at 50°F - 80°F (10°C - 27°C) until the coatings are ready for use.
- B. Follow the special handling or storage requirements of the manufacturer for cold weather, hot weather, etc.
- C. Safety: Refer to all applicable data, including, but not limited to MSDS, PDS, product labels, specific instructions for specific personal protection requirements.
- D. Ventilation: Provide adequate ventilation to prevent the accumulation of hazardous fumes during application.
- E. Environmental requirements: Proceed with work of this section only when existing and forecasted weather conditions will permit the application to be performed in accordance with the manufacturer's recommendations.

1.3 JOB CONDITIONS:

- A. Safety: Refer to all applicable data, including, but not limited to MSDS, PDS, product labels and specific instructions for specific personal protection requirements.
- B. Ventilation: Provide adequate ventilation to prevent the accumulation of hazardous fumes during application.
- C. Weather: Proceed with the work of this section only when existing and forecasted weather conditions will permit the application to be performed in accordance with the manufacturer's recommendations.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

Acceptable Manufacturers:
Gaco Western, LLC www.gaco.com

2.2 MATERIALS

- A. Cleaner: GacoFlex GacoWash Concentrated Cleaner
- B. Coating: GacoFlex U-66 Polyurethane Series
- C. Tape: GacoFlex 66B Polyester Tape

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that the substrate is ready to receive the work; the surface is clean, dry and free of surface contaminants that could affect the bond.
- B. Verify that the concrete meets the requirements of the coating manufacturer. Refer to Gaco Western's General Instruction GW-2-1 for complete information on the installation and finishing of concrete.
- C. Verify with architect, general contractor and manufacturer that substrate conditions are acceptable to receive waterproofing application.

3.2 PREPARATION

- A. Sweep or blow all dirt and dust from the deck surface.
- B. Thoroughly scrub the deck with GacoWash and a stiff bristle broom or brush. Thoroughly rinse with clean water and allow deck to dry completely.
- C. Note: Drying after cleaning deck, allow surface to dry 24 hours before applying any coating. (*Note:* Drying depends on weather conditions such as temperature, humidity and air movement. The above drying times assume good weather (70°F/21°C) daytime temperature and no rain.) Conditions of lower temperature and rain will require a longer period for drying.
- D. To repair damage on plywood or concrete substrate, use polyurethane sealant or prepare a leveling grout by combining one part GacoFlex U-66 Polyurethane Series and one part 80 mesh sand. Apply grout to fill voids and allow to dry firm (6 to 24 hours).
- E. Mask off adjoining surfaces not to receive coating,
- F. Biological Control: If there are any areas of algae, mildew or fungus that show stain on the coating, treat these areas with a chlorine water solution, followed by a clear water rinse. (This treatment can be done using a commercially available chlorine compound available from swimming pool supply houses. Concentration of the chlorine solution should be five times that recommended for normal treatment of swimming pool.)
- G. Loose Coating: Remove all loose coating back to a firmly adhered area. Sand damaged area, feathering edges. Sand ruptured joints to a minimum of 4" (10.16cm) wide. Remove loose or popped nails and re-nail with hot dipped galvanized or non-rusting ring shank nails. Fill old nail holes with tapered wood plugs driven flush with deck surfaces
- H. Flashing: Inspect edges and surfaces of existing flashing and repair these areas as necessary.

3.3 INSTALLATION

- A. Repair: Coat repair areas with one coat of GacoFlex U-66 Polyurethane Series, feathering out an adjacent surface. Allow to dry until coating is firm enough to walk on.

- B. Tape: Repair ruptures or cracks by applying a coat of GacoFlex U-66 Polyurethane by brush or roller in a six inch wide stripe coat centered over all area to be repaired. While this coat is still tacky, unroll GacoFlex 66B Tape into the coating and apply an additional coat of polyurethane over the tape smoothing out wrinkles and fish mouths. Allow to dry until coating is firm. (4 to 12 hours.)
- C. Coating: Apply by roller one coat of GacoFlex U-66 Polyurethane Series coating in the desired color at the rate of one gallon per 100 square feet (3.78 L / 9.3 m²). Allow to dry a minimum of 48 hours before using. Achieve a 12 dry mils.

NOTE: Variation in drying times is due to weather differences.

For best appearance, deck should be washed as needed to remove natural soil accumulation. This is best done using GacoWash. Wash and water rinse. For general cleaning and maintenance, mix as required up to 9 parts water to one part GacoWash. This procedure will maintain natural color during many years of service.