TURBO LINER
PRODUCTS INC.
1 W. CAMERON
KELLOGG, ID 83837
877-678-8726

POLYDECK® 150

50 Dry Mils Decking System

SYSTEM DESCRIPTION

The Polydeck® 150 decking system is a liquid applied, moisture cured, urethane polyurea waterproof system. The system utilizes a urethane polyurea primer, one coat of a polyurethane basecoat, one coat of an aromatic urethane polyurea intermediate coat and one coat of an aliphatic urethane polyurea topcoat. The Polydeck® 150 decking system is a specialized application of elastomeric waterproof coatings designed to expand and contract with normal structural movements. The system is durable and, with appropriate sand aggregate, will provide a slip-resistant surface. The Polydeck® 150 decking system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. Polydeck® 150 is resistant to weathering. It will not soften in heat nor embrittle in cold. Installed and maintained properly, the Polydeck® 150 decking system will ensure years of service.

FEATURES

- ❖Seamless
- ❖Elastomeric
- ❖Chemical Resistance
- ❖Waterproof
- ❖Recoatable
- ❖VOC Compliant
- ❖In Southern California, Polycoat Product Polyglaze Topcoats meet the Southern California AQMD requirements.

TYPICAL USES

- ❖Balconies
- ❖Walkways
- ❖Patios
- ❖Roof Decks
- ❖Over Occupied Space

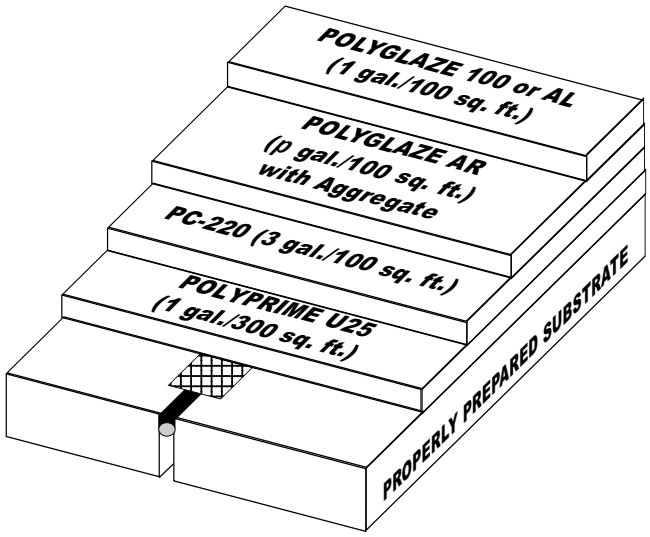
PRODUCT INSTRUCTIONS

For complete information associated with the application of all Polydeck® decking systems, refer to the general guidelines section of the Polycoat Products catalog which describes the surface preparation, job conditions, finishing details and other necessary information.

APPLICATION

Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Apply a polyurethane caulking over all joints, cracks and flashing. Bridge the joints, cracks, and flashings with 4" (10 cm) Straight Jacket Tape pushing it into the polyurethane caulking with a trowel. Over reinforcement tape, apply a stripe coat of PC-220 and taper it onto the adjacent surface. Allow the surface to cure for 4 to 8 hours.

Phase 2: If necessary, prime the surface with Polyprime U25 at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in 3 dry mils (76 microns) of coating. Steel flashings should only be primed with Polyprime 2180. Allow Polyprime U25 to cure at 70°F (21°C) and 50% relative humidity for one or more hours before proceeding to Phase 3. Primer is optional on new plywood.



Phase 3: Apply PC-220 to the substrate at a rate of 3 gallons/100 sq. ft. (1.22 liters/m²). For best results use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed PC-220 evenly over the entire deck resulting in a 33 ± 2 dry mils (838 ± 50 microns) thick membrane. Allow PC-220 to cure a minimum of 16 and a maximum of 48 hours.

Phase 4: Apply Polyglaze AR at a rate of p gallon/100 sq. ft. (0.31 liters/m²). Immediately broadcast washed, dry, rounded, crystal silica sand, 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh's minimum hardness, at a rate of 10-80 lbs/100 sq. ft., depending on skid resistance and traffic requirements, into the wet second coat, covering it completely. This coat will result in an additional 8 ± 2 dry mils (203 ± 50 microns) thick membrane, exclusive of aggregate. After allowing to cure a minimum of 16 and a maximum of 48 hours remove all loose aggregate, preferably by vacuum.

Phase 5: Apply desired color of Polyglaze 100 or Polyglaze AL topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). For best results use a notched trowel or squeegee. This coat will result in an additional 10 ± 2 dry mils (254 ± 50 microns) thick membrane. Allow a minimum of 16 and a maximum of 48 hours for topcoat to cure.

OPTIONAL FAST CURE

Basecoat: The addition of PC-50 will shorten cure time to 4 to 8 hours for each coat.

Topcoat: The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat.

FINISHED SYSTEM
When applied as directed above, the Polydeck® 150 decking system will provide 54 dry mils (1372 dry microns), exclusive of aggregate, of superior waterproofing protection and will meet Southern California AQMD requirements.

LIMITATIONS
The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces, asphalt overlays and where chained or studded tires may be used.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance characteristics of the panel grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Concrete cleaning (see general guidelines).

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

Uncured materials are sensitive to heat and moisture.

A continuous coating application should ensure a deck with no lines or streaks.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates, Solvents and Curatives.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.