



POLYDECK® 165
60 Dry Mills
Pedestrian Traffic Deck
Waterproof Coating System

Primer:

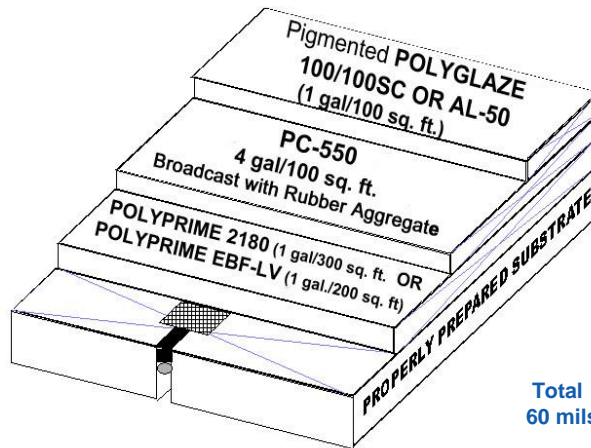
- Polyprime 2180SC
- Polyprime EBF-LV

Basecoat:

- PC-550

Topcoat:

- Polyglaze 100/100SC
- Polyglaze AL-50



Total
60 mils

System Description:

The Polydeck® 165 decking system is a waterproof liquid applied polyurethane system. The system utilizes an epoxy primer, one coat of a fast setting water catalyzed polyurethane basecoat with a rubber aggregate that can be applied at any thickness, and one or two coats of an aliphatic polyurethane topcoat. The Polydeck® 165 decking system is designed to expand and contract with normal structural movements. The Polydeck® 165 decking system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. Polydeck® 165 is resistant to weathering. It will not soften in heat nor embrittle in cold. The system is designed for use in a wide range of applications. Installed and maintained properly, the Polydeck® 165 decking system will ensure years of service..

Features

- PC-550 can be applied at any thickness
- Non-Gassing
- Seamless
- Meets California VOC and AQMD Requirements, Excluding SCAQMD Areas
- Chemical Resistance
- Fast Curing
- Elastomeric
- Recoatable
- Waterproof

Typical Uses

- Walkway
- Sun Decks
- Balconies
- Roof Decks
- Patios
- Over Occupies Space

Packaging

Primer - Polyprime 2180 and Polyprime EBF-LV: 2 gallon kits (one 1 gallon can of Part-A and one 1 gallon can of Part-B) OR 10 gallon kits (one 5 gallon pail of Part-A and one 5 gallon pail of Part-B).

Basecoat - PC-550: 1 gallon cans OR 5 gallon pails (with 1 vial of catalyst)

Topcoat - Polyglaze 100SC OR AL50SC: 1 gallon cans OR 5 gallon pails.

Primers, Basecoats and Topcoats have a shelf life of 1 year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

Application:

Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply a polyurethane caulking, or PC-550, over all joints, cracks and flashing. Bridge the joints, cracks, and flashings with 4" (10 cm) Straight Jacket pushing it into the PC-550 with a trowel. Using PC-550 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-550 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Substrates other than new plywood are to be primed. Metal and concrete which have been cleaned should be primed with Polyprime 2180 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 a 3 dry mils (76 microns) thick membrane. *Note: For rough or porous concrete or when outgassing is a concern, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft.(0.20 liters/m²); this rate may vary on the porosity of the substrate. Metal should only be primed with Polyprime 2180. Allow primer to become tack free before proceeding to Phase 3.

Phase 3: Apply PC-550 (see mixing instructions for PC-550) to the substrate at a rate of 4 gallons/100 sq. ft. (1.63 liters/m²). Use a notched trowel or squeegee to spread PC-550 evenly over the entire deck resulting in a 49 ± 2 dry mils (1245 ± 51 microns) thick membrane, exclusive of aggregate.

Phase 4: While PC-550 is still wet and starting to gel, broadcast 14-30 white rubber granules into the PC-550 membrane at a rate of 10 lbs./100 sq. ft. or as required to achieve a slip-resistant finish. The amount of rubber used will vary. When the PC-550 is stiff enough to walk on without denting, remove all loose aggregate.

Phase 5: Apply only pigmented Polyglaze 100 or Polyglaze AL-50 topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). For best results, use a phenolic core roller. Extra care should be taken to prevent air bubbles. This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane.

Optional Sand Aggregate:

If a sand aggregate is to be used instead of rubber granules, Phase 3 and Phase 4 should be applied as follows:

Phase 3: Apply PC-550 (see mixing instructions for PC-550) at a rate of 3 gallons/100 sq. ft. (1.22 liters/m²). Use a notched trowel or squeegee to spread PC-550 evenly over the entire deck resulting in a 36.75 ± 2 dry mils (933 ± 51 microns) thick membrane.

Phase 4: Apply a second coat of PC-550 (see mixing instructions for PC-550) to the substrate at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Spread PC-550 evenly over the entire deck. Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm), 6.5+ Moh's minimum hardness, at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. When the PC-550 is stiff enough to walk on without denting, remove all loose aggregate. This will result in a 12 ± 2 dry mils (305 ± 51 microns) thick membrane, exclusive of aggregate. Proceed with Phase 5 as above.

Optional Fast Cure:

Topcoat: The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

Sloping, Concrete Repair, Crack Filling:

For sloping, concrete repair or to fill cracks, use PC-550 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-550.

Finished System:

When applied as directed above, the Polydeck® 165 decking system will provide 60 dry mils (1524 dry microns), exclusive of aggregate, of superior waterproofing protection. Requires a continuous coating application to minimize lines and/or streaking. Any optional adhesion test is to be performed seven days after product application.

Limitations:

The following conditions must not be coated with Polycoat Products deck coating systems or products: on 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 and asphalt overlays. 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.

Concrete cleaning (see general guidelines). Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks. The only acceptable grade of plywood is APA rated exterior grade or better. The appearance and physical characteristics of the plywood and grade should be considered. Plywood should be new or cleaned and sanded (see general guidelines). Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scalling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards. Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use. Uncured materials are sensitive to heat and moisture. 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, Epoxy Resin and Curatives.

Limited Warranty:

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.

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

Disclaimer:

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.

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