Primers, base 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).

**Description**

The Polydeck® 150/150SC Pedestrian Traffic Deck System is a liquid applied, moisture cured, polyurethane waterproof system for everyday use. The system utilizes an epoxy primer, one coat of an aromatic polyurethane basecoat, one intermediate coat of an aromatic polyurethane with aggregate, and one aliphatic polyurethane topcoat. The system is a specialized application of elastomeric waterproof coatings designed to expand and contract with normal structural movements. The system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. It is resistant to weathering. Installed and maintained properly, the Polydeck® 150/150SC Pedestrian Traffic Deck System will ensure years of service. Make sure to use the correct grade of product which complies with VOC regulations/requirements applicable as per federal, state,
The adhesion of the basecoat to the primer. Do not exceed recoat possible, broadcast heavy with aggregate into the primer to aid in primer to avoid missing the primer recoat window. If this is not within 24 hours of cure. To cure before proceeding to Phase 4. Recoats must be done 220/220SC evenly over the entire deck resulting in a 22 ± 2 dry mils (102 microns) thick membrane. Apply using a brush or phenolic core roller. This coat will result in an additional 15 ± 2 dry mils (381 ± 51 microns) thick membrane.

PHASE 2
Substrates other than new plywood are to be primed. Primer is optional on new plywood. Metal and concrete which have been cleaned should be primed with Polyprime 2180SC at a rate of 1 gallon/300 sq ft (0.14 liters/sqm) or 300 sq ft/gallon. Apply using a brush or phenolic core roller. This will result in a 4 dry mils (102 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 (0.21 liters/sqm) or 200 sq ft/gallon; this rate may vary on the porosity of the substrate. Allow primer to become tack free before moving to the Coating Application. The point at which the primer is deemed as tack free is when the primer passes thumbprint test. The thumbprint test is defined by when a thumbprint is left in the primer and primer does not transfer to the thumb. If the primer has been allowed to remain tack free for more than 12 hours, it is necessary to solvent wipe surface with VOC-compliant solvent and re-prime the surface.

PHASE 3:
Apply PC-220/220SC to the substrate at a rate of 2 gallon/100 sq ft (0.82 liters/sqm) or 50 sq ft/gallon. For best results, use a 1/8” (0.32 cm) notched trowel or flat squeegee. A 3/8” (0.965 cm) nap phenolic core roller may be used, but extra care should be taken to prevent air bubbles. Spread mixed PC-220/220SC evenly over the entire deck resulting in a 22 ± 2 dry mils (559 ± 51 microns) thick membrane. Allow PC-220/220SC to cure before proceeding to Phase 4. Recoats must be done within 24 hours of cure.

Note: Polycare basecoats should be applied the same day as the primer to avoid missing the primer recoat window. If this is not possible, broadcast heavy with aggregate into the primer to aid in the adhesion of the basecoat to the primer. Do not exceed recoat window of 12 hours after cure and if recoat window is passed, then solvent wipe the surface with VOC-compliant solvent and re-prime before proceeding with the next coat/phase.

PHASE 4:
Apply Polyglaze AR/AR-OF at a rate of 1⅓ gallon/100 sq ft (0.51 liters/sqm) or 80 sq ft/gallon. Immediately broadcast washed, dry, rounded sand, 20 mesh (0.841 mm), 6.5+ Mohs minimum hardness, at a rate of 20 lbs/100 sq ft (1 kg/sqm) or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. This coat will result in an additional 15 ± 2 dry mils (381 ± 51 microns) thick membrane, exclusive of aggregate. After allowing to cure, remove all loose aggregate, preferably by vacuum.

PHASE 5:
Apply desired color of Polyglaze 100/100C/100SC or Polyglaze AL-50/AL-50SC topcoat at a rate of 1⅓ gallon/100 sq ft (0.51 liters/sqm) or 80 sq ft/gallon. For best results, use a 3/8” (0.965 cm) nap phenolic core roller. This coat will result in an additional 15 ± 2 dry mils (381 ± 51 microns) thick membrane.

OPTIONAL FAST CURE:
Basecoat: The addition of PC-50 will shorten cure time to 3-5 hours for each coat an ambient temperature of 75°F (24°C). Recoats should occur within 12 hours after cure. If re-coat window has passed, then solvent wipe the surface with VOC-compliant solvent and re-prime with Polyprime U.

Topcoat: The addition of Polyglaze Hardener will shorten cure time to 2-4 hours for each coat. Recoats should occur 8-12 hours of when the surface becomes tack-free. If Polyglaze Hardener is used to accelerate curing, then re-coat window for the subsequent coat is reduced to 24 hours after cure. If the recoat window has passed, then solvent wipe the surface with VOC-compliant solvent and re-prime surface.

SLOPING, CONCRETE REPAIR, CRACK FILLING:
For sloping, concrete repair or to fill cracks, use PC-260 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-260.

FINISHED SYSTEM:
When applied as directed, the Polydeck® 150/150 SC Pedestrian Traffic Deck System will provide 52 ± 5 dry mils (1321 ± 125 dry microns), exclusive of aggregate, of superior waterproofing protection.

The system 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 Polycare Products deck coating systems or products: on grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, or concrete with a structural integrity less than 3000psi. Asphalt surfaces and asphalt overlays may be coated with Polycare deck coating systems if first coated with the Polycare PC-IM 129.
Concrete must exhibit 3000psi 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-haired 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 (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, spalling, scaling, 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 and Curatives.
Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for "Professional Use Only" and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. 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, instructions, and project specific recommendations.

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.

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