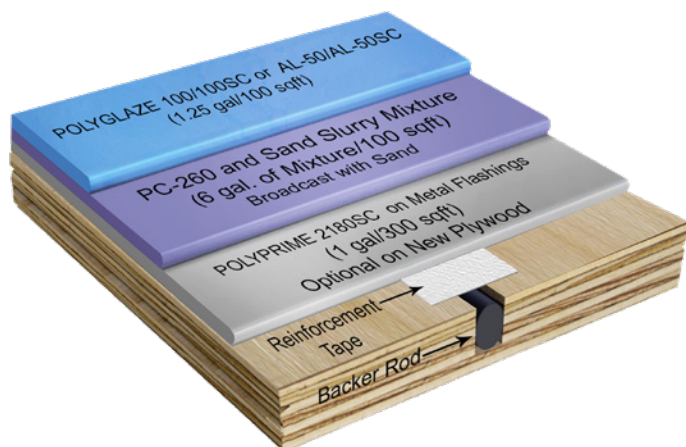
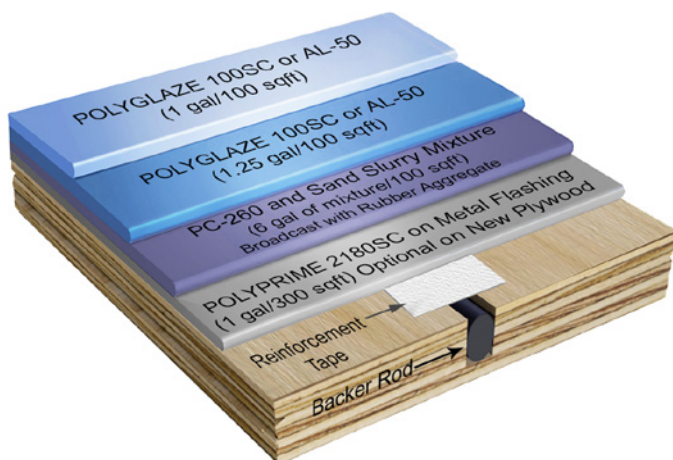




REVISION 04/16/18



Plywood Substrate System with Sand Aggregate



Plywood Substrate System with Rubber Aggregate

TECHNICAL DATA

**Metal Lath Reinforced
Pedestrian Traffic Deck
Coating System** 125 Dry Mills
(3175 Dry Microns)

Primer Polyprime 2180SC
Polyprime EBF-LV

Basecoat PC-260

Topcoat Polyglaze 100/100C/100SC
Polyglaze AL-50/AL-50SC

PACKAGING

**Polyprime 2180SC or
Polyprime EBF-LV** 2 gallon kit: One 1 gallon
(3.78 liters) can of Side-A
and One 1 gallon (3.78 liters)
can of Side-B
or
10 gallon kit: One 5 gallon
(18.9 liters) pail of Side-A
and One 5 gallon (18.9 liters)
pail of Side-B

PC-260 1-gallon kit: One 1 gallon
can, net fill 0.8 gallons (3
liters) of Side-A and One
quart can, net fill 0.2 gallons
0.78 liters) of Side-B or
5-gallon kit: One 5 gallon
pail, net fill 4 gallons (15.12
liters) of Side-A and One 1
gallon (3.78 liters) can of
Side-B

**Polyglaze AR/AR-OF or
100/100SC or
AL-50/AL-50SC** 1 gallon (3.78 liters) cans or
5 gallon (18.9 liters) pail

FEATURES

- » Seamless
- » Elastomeric
- » Waterproof
- » Recoatable
- » Non-Gassing
- » Chemical Resistance
- » Good Thermal Stability
- » Fast Curing
- » Applied At Any Thickness

TYPICAL USES

- » Balconies
- » Walkways
- » Patios
- » Sun Decks
- » Roof Decks

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® 160MR/160MR-SC Pedestrian Traffic Deck System is a fluid applied, metal reinforced, polyurethane, waterproof decking system. The system utilizes a primer, a sand slurry mixture over attached Metal Lath, one coat of a fast setting, chemically cured polyurethane elastomeric basecoat with rubber aggregate, and one or two coats of an aliphatic polyurethane topcoat. The system protects surfaces against

spalling, freeze/thaw damage and chemicals commonly encountered on these surfaces. It is an elastomeric system designed to expand and contract with normal structural movements. Installed and maintained properly, the Polydeck® 160MR/160MR-SC 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, statutory, counties, cities and local bodies at the place of installation.

Product Instructions

For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Data Sheets of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

Coatings Application

PHASE 1:

Check area of application to ensure that it conforms to the substrate requirements, as stated in the General Guidelines. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks, and flashing. Bridge joints, cracks, and flashings with 4" (10.2 cm) Straight Jacket Tape, pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours. A manufacturer approved single or two-component polyurethane sealant may also be used to bridge joints, cracks and flashings.

PHASE 2:

Substrates other than new plywood are to be primed. Primer is optional for new plywood. Metal and concrete which have been cleaned should be primed with Polyprime 2180SC at a rate of 1 gallon/300 sqft (0.14 liters/sqm) or 300 sqft/gallon. Apply using a brush or a 3/8" (0.965 cm) nap 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 sqft (0.21 liters/sqm) or 200 sqft/gallon; this rate may vary on the porosity of the substrate. Allow primer to become tack free before moving onto 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:

Fasten 2.5 lbs/sqm hot dipped, galvanized metal lath to deck. Apply sand slurry mixture* of One part mixed PC-260 and One Part Sand (see mixing instructions for PC-260; 1:1 ratio by volume, 1/20 grit sand) to substrate through metal lath to encapsulate metal lath at 6 gallons/100 sqft (2.46 liters/sqm).

*Mixture is four gallons of PC-260 mixed with four gallons of dry sand, will yield approximately six gallons of the mixture for 100 sqft. Use a notched trowel or squeegee to spread PC-260 evenly over the entire deck resulting in a 90 ± 2 dry mils (2286 ± 51 microns) thick membrane, exclusive of aggregate.

While PC-260 and sand mixture is still wet and starting to gel (approximately 20-30 minutes), broadcast 16-30 mesh (0.595-1.19 mm) white sand granules onto the PC-260 membrane (rubber granules should sink only partially into the basecoat) at a rate of 10 lbs/100 sqft (0.5 kg/sqm) or as required to achieve a slip-resistant finish. The amount of rubber used will vary. When the PC-260 is stiff enough to walk on without denting, remove all loose aggregate

Note: Polycoat 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.

PHASE 4:

Apply pigmented Polyglaze 100/100C/100SC or Polyglaze AL-50/AL-50SC topcoat at a rate of $1\frac{1}{4}$ gallon/100 sqft (0.51 liters/sqm) or 80 sqft/gallon. This coat will result in an additional 15 ± 2 dry mils (381 ± 51 microns) thick coating. Topcoat should be applied within 24 hours of apply PC-260 Sand Slurry. If re-coat window has passed, then solvent wipe the surface with VOC-compliant solvent and re-prime with Polyprime U.

OPTIONAL RUBBER AGGREGATE

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

PHASE 3:

Apply rubber slurry mixture* of One Part mixed PC-260 and One Part rubber granules (see mixing instructions for PC-260; 1:1 ratio by volume) to substrate through metal lath to encapsulate metal lath at 6 gallons/100 sqft (2.46 liters/sqm).

*Mixture is Five gallons of PC-260 mixed with Five gallons of rubber granules, will yield approximately six gallons of Mixture for 100 sqft. Size and porosity of rubber will vary.

While PC-260 and rubber slurry mixture is still wet and starting to gel, broadcast 16-30 white rubber granules onto the PC-260 membrane (rubber granules should sink only partially into the basecoat) at a rate of 10 lbs/100 sqft (0.5 kg/sqm) or as required to achieve a slip-resistant finish. The amount of rubber used will vary. When the PC-260 is stiff enough to walk on without denting, remove all loose aggregate.

PHASE 4:

Apply pigmented Polyglaze 100/100C/100SC or Polyglaze AL-50/AL-50SC topcoat at a rate of $1\frac{1}{4}$ gallon/100 sqft (0.51 liters/sqm) or 80 sqft/gallon. This coat will result in an additional 15 ± 2 dry mils (381 ± 51 microns) thick coating. Topcoat should be applied within 24 hours of apply PC-260 Sand Slurry. If re-coat window has passed, then solvent wipe the surface with VOC-compliant solvent and re-prime with Polyprime U.