

HIGH PERFORMANCE FLOORS



PRIMER



Monochem 21 Epoxy Primer

FEATURES:

- 2 Part - 100% Solids Epoxy
- High Build & Self Leveling
- Resists Chemicals & Hot Tires
- Color Chips & Non-Skid Available
- USDA Compliant

USES:

- Hard-to-Stick Surfaces
- Concrete & Masonry
- Non-Ferrous Metal
- Wood
- Previously Coated Surfaces

AVAILABLE PRODUCTS:

- 2120 / 2121 Gloss
- Monochem 45 (Ext. Time)
- 4520 / 4545 Gloss
- White, Neutral, Clear

TOPCOAT



Permashield 2K Polyurethane (200)

FEATURES:

- 2-Part - Polyurethane Enamel
- Ultimate Durability & Hardness
- Resists Chemicals & Hot Tires
- UV & Weather Resistant
- USDA Compliant

USES:

- Garage Floors
- Warehouse Floors
- Manufacturing Plants
- Mechanical Rooms
- Commercial Kitchens

AVAILABLE PRODUCTS:

- 5365 / 5375 / 5355 Matte
- 5360 / 5370 / 5350 Gloss
- White, Neutral, Clear

SYSTEM BENEFITS

- **Less surface prep** with a high adhesion primer
- **Complete the job quickly** with fast dry & recoat times
- **Work in occupied spaces** with low odor products
- **Beautiful look and feel** from a Matte or High Gloss finish with Solid Color, Metallic, Quartz, and Colored Chip options
- **Long lasting appearance** from top-tier resistance to UV, chemicals, oils, stains, hot tires, and more





APPLICATION GUIDE HIGH PERFORMANCE FLOORS

Step 1 – Preparation

- **Data Sheets** - Read the Technical & Safety Data Sheet for all products being used. Follow steps below along with any safety, preparation, and application instructions listed on the product's data sheets.
- **Test Patch** - Prior to full application, apply a test patch to ensure the system chosen is appropriate for the project. If results do not meet expectations, contact Monopole Inc. for recommendations.
- **Surface Condition** - All surfaces must be fully cured, firm, and dry. Concrete, stucco, and masonry must be cured for 30 days. Remove all loose, peeling, and poorly bonded paint.
- **Moisture** - Wood must have < 13% moisture content. Concrete, stucco, and masonry must have < 15% moisture content. Do not apply coatings to surfaces with hydrostatic pressure.
- **Environment** - Material, air, and surface temperature must be between 40°F - 90°F and 5° above the dew point. Do not expose to moisture during application and dry time. Limit heavy moisture 24-48 hours after application.
- **Surface Profile** - Mechanically grind smooth, glossy, dense, or glazed surfaces to create a rough profile similar to 120-180 grit sandpaper.
- **Cleaning** - Use an appropriate cleaning method and/or solution to ensure all surfaces are free of dust, dirt, oil, grease, wax, chalk, rust, mildew or any other contamination or condition.
- **Patching** - Fill and seal any voids, seams, or cracks using a paintable patching material and allow to fully cure.

Step 2 – Primer

- **1 Coat** - Monochem 21 Epoxy Primer @ 10-12 Wet Mils
- **Pot Life** - 15-20 Minutes - *Once mixed, immediately pour all material onto the surface - Apply within 20 minutes*
- **Additives (Optional)** - While primer is wet, broadcast texture aggregate, quartz granules, or color chips
- **Dry Time** - 3-6 Hours Topcoat - *Do not exceed 12 hours*

Step 3 – Topcoat

- **2 Coats** - Permashield 2K Polyurethane (200) @ 3-5 Wet Mils - *Do not overapply as finish can haze or pinhole*
- **Additives (Optional)** - Mix texture or metallic additives into Part A of First Coat before activating with Part B - Second Coat should be applied additive free

	Standard Mix	w/ Accelerator @ 2oz per gallon
Pot Life	1-2 Hours	15-20 Minutes
Dry Time	4-6 Hours - Recoat	1-2 Hours - Recoat
	24-48 Hours - Dry to Touch	4-6 Hours - Dry to Touch
	5 Day - Full Use	24-48 Hours - Full Use

After Application

- **Drying** - Dry times are based on standard conditions of 75°F with a relative humidity of 50%. Lower temperatures or higher humidity may extend drying times. Higher temperatures may speed drying time. Provide adequate ventilation and air movement during and after application.
- **Cleaning** - Wait until at least two weeks after final application before cleaning the surface. Clean with fresh water and a cotton cloth. A small amount of mild detergent can be used, if necessary.

