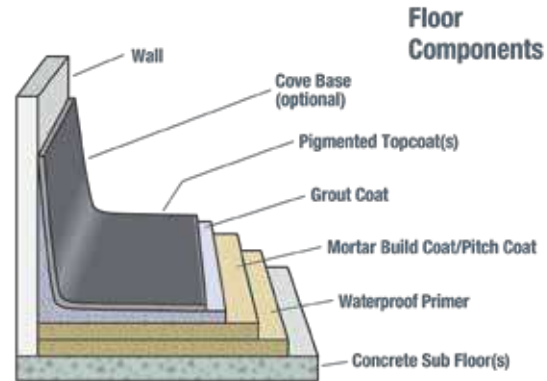


# UniKrom 250

## Epoxy Mortar Flooring



### All Purpose Solid-Color Flooring System

UniKrom 250 is Palma Inc's. versatile flooring system. Typically used as an all purpose troweled mortar epoxy floor at 3/16"-1/4" where a solid color industrial floor is required. UniKrom 250 can correct typical concrete deficiencies also. UniKrom 250 is widely used also as an epoxy undercoat to other systems like PalmaLite PaliFlake, where more thickness is required. UniKrom 250 is also used as an epoxy mortar where pitching and sloping are required and as a repair mortar..

### Certified Waterproof by Independent Laboratory

All PalmaLite epoxy flooring systems are certified to be waterproof which eliminates the need for an independent waterproof membrane. This results in a cost saving of 20 to 30 percent over competitive products that recommend membranes for waterproofing.

### Benefits

When used as a finish floor UniKrom 250 is available in 10 new bright colors.

100% Solids Epoxy, slip resistant, integral cove base available when required. Excellent chemical resistance and Impact Strength. UniKrom 250 can be topcoated with a variety of products to meet specific requirements, including Novolacs and Urethanes. Palma warrants 250 to be waterproof without an additional barrier.

### No Seams to Trap Dirt or Bacteria

Like all Palma systems UniKrom 250 is seamless. There are no joints in the finished system. It has a uniform non porous surface that will not support the growth of fungus or bacteria. .

### Environmental Considerations

PalmaLite UniKrom Systems will meet most LEEDS requirements for your next "Green" Project

### Standard Colors



Color chart is to be used as a guide only

# UniKrom 250

## Epoxy Mortar Flooring

### PRODUCT NAME

**PalmaLite UniKrom 250**  
Seamless Epoxy Mortar Floor

### FORMULATOR

**Palma Inc.**  
628 NJ-10  
Suites 2 and 3  
Whippany, NJ 07981  
Phone: 800.336.7256 | Fax: 973.429.2149  
Website: [www.palmainc.com](http://www.palmainc.com)

### PRODUCT DESCRIPTION

- a. Basic Uses:** PalmaLite UniKrom 250 is a troweled epoxy mortar system, an undercoat or a pitched floor. Applied at 3/16"-1/4" as a finished system or as an undercoat to other systems. When used as a pitched system thickness will vary. UniKrom 250 can be applied over properly designed and prepared, new, dry, existing, spalled concrete; and over existing ceramic and quarry tile, terrazzo and plywood. It is ideally used in areas where extra thickness may be required or repairs are required. Exhibits excellent resistance to abrasion, physical impact, inorganic and organic acids, solvents and alkalis. It provides a dense non-porous surface with excellent electrical insulation and waterproofing with great bond strength. UniKrom 250 can be used to form an integral cove base.
- b. Composition:** PalmaLite UniKrom 250 is composed of 100% solids curing agent, epoxy resin, graded silica quartz aggregates, Non-Toxic, low odor.

- c. Finish:** Solid Color Uniform Finish
- d. Colors:** 10 Standard colors: Sage, Dark Gray, Light Gray, Maroon, Limestone, Earth Stone, Khaki, Sand, Cream, Slate. Custom colors are available with premium charges.
- e. Limitations:** For new concrete design concrete for local conditions to prevent osmosis, hydrostatic and vapor pressure to eliminate the possibility of sporadic blistering and delamination. Test existing slab on grade concrete for moisture vapor transmission. Maintain substrate and air temperature between 60° and 85° F with proper ventilation, permanent lighting, permanent heating or air conditioning during application and curing. Where temperatures over 160° degrees F, hot water and steam are constant or highly corrosive reagents exist, use PalmaLite Novolac systems.
- f. Applicable Standards:** Military, ASTM, ACI standards or procedures. Detailed specification available

### PREPARATION & APPLICATION

- 1. General:** New and Existing Surfaces:
- a.** Prepare substrate in compliance with Committee C.03 ASTM C-811 Standard Practice for Surface Preparation of Concrete for Application of Resinous Monolithic Surfaces and for Application of Resinous Monolithic Surfacing and formulator's written instructions for substrate indicated.
- b.** Surface must be structurally sound, free of contaminants and loose materials
- c.** Clean and fill joints and cracks wider than 1/16" with PaliFlex joint filler.
- d.** Sawcut or Chisel concrete substrate at termination points," keying in" to maintain minimum thickness of floor coating.

- e.** Tape at termination points and adjacent surfaces not to be coated with appropriate tape before each application is applied remove before dry.
- f.** Remove tape before each application dries.
- Application: PalmaLite UniKrom 250**
- a.** Prime surface with 100% solids epoxy
- b.** Trowel UniKrom 250 system onto primed surface using proper equipment to provide a level floor.
- c.** Grout floor using properly graded silica and epoxy
- d.** Sand or Grind floor if necessary.
- e.** Provide 100% Solid Epoxy Pigmented TopCoat(s), or other topcoats.
- Application for Pitching or Sloping**
- a.** Prime surface with 100% solids epoxy
- b.** Establish high points and pitch to designated points typically 1/8" per foot.
- c.** Grout floor using graded silica and epoxy
- d.** Overlay selected system if other than UniKrom 250

### AVAILABILITY AND COST

- a.** Throughout the United States, Canada and abroad.
- b.** Cost varies depending on size, location and preparation.

### WARRANTY

- a.** Standard: Palma Inc. renders a joint one-year formulator/applicator warranty against faulty workmanship or materials.

### MAINTENANCE

- a.** Clean floor daily by sweeping, mopping, (clean mop) or mechanical scrubbing with soft nylon brush as needed. Use clean water and ph neutral detergent at all times. Contact Palma Inc. for detailed information.

### TECHNICAL SERVICES

- a.** Fax or telephone **Palma Inc.** for assistance, literature, detailed specifications, preparation, application and maintenance instructions and samples.

Certified test data available. ASTM C722 Resinous Monolithic Surfacing 60 Mills (1.5 mm) in Thickness or Greater

#### TECHNICAL DATA:

Test	Specification	ASTM C-722 Requirement	PalmaLite Result
Compressive Strength	ASTM-C579	6,000 p.s.i.	13,500 p.s.i.
Tensile Strength	ASTM-C307	1,500 p.s.i.	1,790 p.s.i.
Flexural Modules of Elasticity	ASTM-C580	0.5x10 (6)	.7 x 10 (6)
Water Absorption	ASTM-C413	1.0% (max)	0.37% (NIL)
Thermal Coefficient of Expansion	ASTM-C531	60x10 (-6) in./in. Deg F.	ASTM-D696 1.9x10 (-5)F

#### SUPPLEMENTAL TESTS:

Test	Specification	Requirement	PalmaLite Result
Flexural Strength	ASTM-C580	3,600 p.s.i.	5,030 p.s.i.
Thermal Shock 5 cycles	ASTM-C884	No cracking, crazing, warping	No cracking, crazing, warping
Co-efficient of Friction	ASTM-D2047	0.5	Average .72
Taber Abrasion	ASTM-D1044	None	Average loss in weight 0.05 grams
Flammability	ASTM-D635	Self extinguishing	Self extinguishing
Shore "D" Hardness	ASTM-D2240	None	Average 83
Waterproofness	ASTM-4068	No evidence of moisture	No evidence of moisture
Bond Strength	ACI-503	175 psi (100% concrete failure)	535 psi (100% concrete failure)
Resistant to Impact	Mil-D3134	Not more than 1/16 (62.5 mils)	10 Mills
Indentation	Mil-D3134	Not more than 7%	Not more than 5%, Not less than 1%
Taber Wear	H-22-Wheel	None	Abrasive wear under 30
Pittsburgh Toxicity Test	RS 5-5	Non-toxic	Non-toxic
Heat Resistance		None	160°F Continuous, 200°F Non-continuous
Dielectric Properties		None	Insulation resistance and dielectric strength test in excess of 50,000 volts.

CHEMICALS AND SOLVENTS: For specific chemicals, solvents and high temperatures to be resisted, consult Palma Inc.

