

UniKrom 185

Solid-Color Epoxy Flooring



All Purpose Solid-Color Flooring System

Formulated specifically for institutional, commercial and industrial usage over sound properly prepared concrete. PalmaLite UniKrom 185 Palma's standard pigmented epoxy flooring system. Used in a wide range of environments. It is an ideal floor for areas such as fire-houses, automotive service areas, pharmaceutical labs, prisons, classrooms, sales areas, light manufacturing and chemical processing where a solidcolored floor is desired. PalmaLite UniKrom 185 is best used where the concrete substrate is in good condition where added thickness or where added thickness may be required over terrazzo, plywood, quarry and ceramic tile as well as irregular concrete.

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.

UV Resistant

A PalmaLite UniKrom Floor inherently provides a UV resistant finish. UniKrom's bright, colorful surface comes in 10 new designer colors to match almost any architectural motif. The surface is slip-resistant, meeting all ADA and ASTM requirements. A new UniKrom 185 floor provides years of dependable service while outlasting concrete by a 3 to 1 margin. Custom colors are available at a premium.

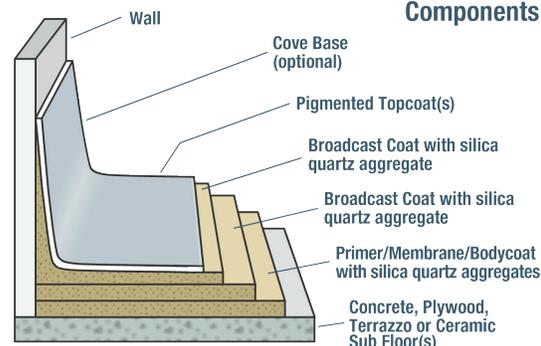
No Seams to Trap Dirt or Bacteria

UniKrom 185 cleans up easily. Its uniform, non-porous surface is free of seams, trowel marks, and depressions, when applied over a uniform surface. It will not support bacterial and fungal growth.

Environmental Considerations

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

Floor Components



Standard Colors



Color chart is to be used as a guide only

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PRODUCT NAME

PalmaLite UniKrom 185 (3/16")
Seamless Solid-Color Epoxy Flooring

FORMULATOR

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PRODUCT DESCRIPTION

a. Basic Uses: PalmaLite UniKrom 185 is a combination trowel broadcast self-leveling, decorative and functional system applied at a nominal 185 mils (3/16") for use over properly designed and prepared new, dry, existing concrete; and over existing ceramic tile, quarry tile, terrazzo and plywood. PalmaLite UniKrom 185 is ideally used in commercial, industrial and institutional facilities for light to heavy traffic and aggressive atmospheres. Exhibiting excellent resistance to abrasion, physical impact, inorganic and organic acids, solvents, alkalis, fungus and bacteria, its dense non-porous consistency also provides exceptional electrical insulation, waterproofing, low shrinkage and adhesive strength. PalmaLite UniKrom 185 can be used to form an integral matching cove base and can be applied as a wainscot or wall surface.

Cove Base: Feather-edged at the top to a straight clean line to the specified height. PalmaLite UniKrom 185 cove base can hide joints from ceramic and quarry tile as well as concrete block.

Wainscoting/Walls: Can be applied over block walls, sheetrock, greenboard, hardie board, plywood or cement board @ 60 mils

b. Composition: PalmaLite UniKrom 185 is composed of 100% solids, combination 1 part hardener, 2 parts resin, special graded silica quartz aggregates. Non-toxic, low odor, PalmaLite UniKrom 185 is a 100% solid system. PalmaLite UniKrom 185 meets or exceeds most VOC requirements.

c. Finish: Gloss, decorative, bright, easy to maintain, non-porous, slip-resistant, free of seams, trowel marks and depressions.

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 185

a. Trowel Primer-Membrane- Bodycoat onto surface then broadcast silica aggregate into wet epoxy and allow to dry.

b. Remove excess aggregate.

c. Apply Cove Base or other vertical surfaces when required

d. Remove excess aggregate.

e. Trowel Broadcast Coat onto surface then broadcast silica quartz aggregate to excess

f. Trowel Broadcast Coat onto surface then fully broadcast silica quartz aggregate into wet surface. Allow to dry.

g. Remove excess silica quartz aggregate stone and sweep floor.

h. Topcoat(s): 2 epoxy topcoats are standard other finishes are available.

i. Precautions: Provide adequate ventilation and protection against contact with skin and eyes. Wear protective gloves, goggles, respirator, and shoes. Prohibit smoking and the use of spark or flame devices at all mixing and application areas.

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 Mil (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-A068	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 Mil
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.

