

PaliKrete ColorFlake

Decorative Epoxy Flake Floor



Decorative Flake Flooring

PaliKrete ColorFlake is a 185-250 mils (3/16"-1/4") decorative system consisting of Palma's modified urethane cement slurry base coat, followed by a color flake broadcast.

The system is then top coated with gloss or satin finish coats. Finished system results in a decorative, slip resistant, sanitary finish that will not support bacterial growth. An integral cove base can be applied when required. Color flakes are available in standard and custom colors. Flake sizes range from 1/16"-1/4".

Thermal Shock

PaliKrete ColorFlake is ideal for areas such as heavy duty kitchens and food processing areas. Specifically formulated for areas where high temperatures are frequent.

Moisture Tolerant

PaliKrete ColorFlake offers excellent moisture tolerance over new and existing concrete substrates. Moisture insensitivity eliminates the need for moisture testing and the use of

moisture barriers.

Typically installed at 185-250 mils (3/16"-1/4")

PaliKrete ColorFlake Advantages

- Low odor application
- Can be applied to 7-14 day old concrete
- High impact, thermal shock, and wear resistance
- Meets USDA requirements

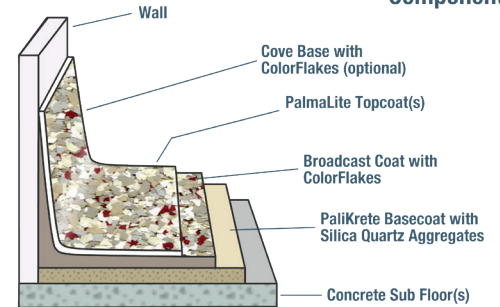
Health and Safety

- VOC compliant, ADA compliant
- LEEDS testing available upon request
- CA 01350 compliant
- Great choice for your next Green Project

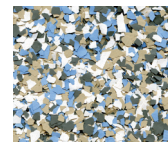
Quality Control

As both formulator and applicator, Palma Inc. has total quality control over each application. All installers are factory trained employees of Palma Inc.

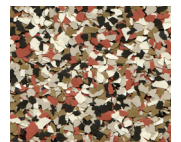
Floor Components



Standard Blends



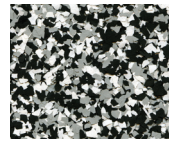
Agate



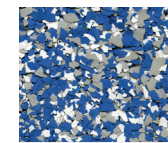
Burlwood



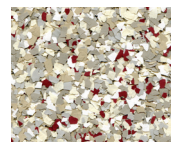
Coldwater Canyon



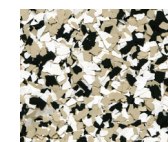
Domino



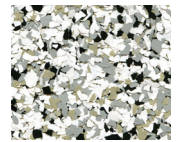
Ford



Matador



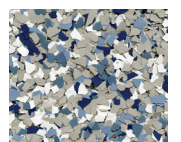
Pintail



Quicksilver



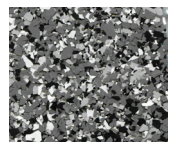
Seaport



Stonewash



Thistle



Wombat

This color chart is a guide only. Final selection should be made from an actual sample

PaliKrete ColorFlake

Decorative Epoxy Flake Floor

PRODUCT NAME

**PalmaLite PaliKrete ColorFlake 185-250 mils
Seamless Urethane ColorFlake Flooring**

FORMULATOR

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Suites 2 and 3
Whippany, NJ 07981
Phone:800.336.7256 | Fax:973.429.2149
Website: www.palmainc.com

PRODUCT DESCRIPTION

a. Basic Uses: PalmaLite PaliKrete ColorFlake is a combination urethane modified cement color flake flooring system applied at nominal 185-250 mils (3/16" -1/4"). Applied over properly prepared new or existing concrete. Outwearing concrete by 3 to 1, it is ideally used in commercial, industrial, and institutional facilities for light to heavy traffic. The special properties of PaliKrete ColorFlake make it a natural choice for areas where aggressive atmospheres exist. This includes environments where temperatures exceed 160 degrees F, and/or where moisture issues exist in either new or existing concrete substrates. PaliKrete ColorFlake resists abrasion, physical impact, inorganic acids, alkalies, fungi, and bacteria. Its dense, non-porous consistency provides exceptional waterproofing, low shrinkage, and adhesive strength.

- Cove Base:** Feather-edged at specified height
Wainscoting/Walls: Applied over new or prepared surfaces at 20-30 mils (1/32")
- b. Composition:** PaliKrete ColorFlake is composed of urethane modified cement, 100% solids epoxies (1 part hardener, 2 parts resin), graded silica aggregates, and color flakes. PaliKrete ColorFlake meets or exceeds VOC requirements.
- c. Finish:** Decorative, bright, variegated, easy to maintain, nonporous, slip resistant, and free of seams.
- d. Colors:** Agate, Burlwood, Coldwater Canyon, Domino, Ford, Matador, Pintail, Quicksilver, Seaport, Stonewash, Thistle, Wombat Custom colors are available with premium charges.
- e. Limitations:** Maintain substrate and air temperatures between 65 and 85 degrees F. Relative humidity below 85%. Proper ventilation and permanent lighting required.
- f. Applicable Standards:** Military, ASTM, USDA, FDA.

PREPARATION & APPLICATION

- 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 Surfacing, and formulator's written instructions for surface preparation.
- b.** Surface must be structurally sound, free of contaminants and loose materials
- c.** Sawcut concrete substrate at termination points, keying in to maintain thickness of floor coating.
- d.** Tape at termination points and adjacent surfaces not to be

- coated.
- Application: PaliKrete ColorFlake 185-250**
- a.** Trowel urethane modified cement coat, back roll with loop roller, then broadcast silica aggregate into wet coating. Allow to dry.
- b.** Remove excess aggregate.
- c.** Apply cove base to vertical surfaces when required.
- d.** Trowel epoxy bodycoat onto surface, then broadcast silica aggregate into wet epoxy. Allow to dry.
- e.** Remove excess aggregate.
- f.** Trowel apply broadcast coat onto surface, then broadcast color flake into wet epoxy. Allow to dry.
- g.** Remove excess color flake.
- h.** Stone floor surface, then remove residue from stoning.
- i.** Topcoat(2): 2 clear epoxy topcoats are standard. Please consult Palma Inc. for various topcoat options to meet project requirements.
- j.** Precautions: Provide adequate ventilation and protection against contact with skin and eyes. Wear protective gloves, safety glasses, 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/appliator warranty against faulty workmanship or materials.

MAINTENANCE

- a.** Clean floors daily by sweeping, mopping, or mechanical scrubbing with a 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.	8,400 p.s.i.
Tensile Strength	ASTM-C307	1,500 p.s.i.	1,500 p.s.i.
Flexural Modules of Elasticity	ASTM-C580	0.5x10 (6)	2,700 p.s.i.
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
Co-efficient of Friction	ANSI-B101.1	0.5	.96 Dry .78 Wet
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 (concrete)	Mil-D3134	Not more than 1/16 (62.5 mils)	160 in lbs
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.

***Case Laboratories, Whippany, NJ....Also, all Warranty Maintenance and Technical Services heading needs to be the same

