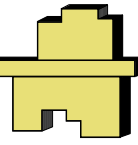


KEY RESIN COMPANY



KEY GEMINI FLOORING

DESCRIPTION

KEY GEMINI FLOORING is a decorative, trowelled resin flooring system that combines the natural beauty of blended aggregate with the durability of a trowelled mortar system. Consisting of a trowelled blend of specialty aggregate in a 100% solids, epoxy binder, **KEY GEMINI FLOORING** provides decorative, heavy-duty protection at $\frac{3}{16}$ " to $\frac{1}{4}$ ". **KEY GEMINI FLOORING** eliminates porosity and produces a dense, skid-inhibiting finish that will minimize dirt and chemical penetration.

Crack-free installations of **KEY GEMINI FLOORING** can be achieved when installed in conjunction with a **Key Waterproofing and Crack Isolation Membrane**. An integral cove base can be installed in areas requiring seamless wall to floor coatings. For chemical resistant applications, specify **KEY GEMINI -HP**

KEY ADVANTAGES

- Decorative Appearance
- High Impact and Wear Resistance
- Low Maintenance, Completely Seamless
- Meets USDA Requirements
- Will not support the growth of Fungi or Bacteria
- Chemical Resistant Finishes are Available

KEY CONSIDERATIONS

- On or below grade installation must have an efficient vapor barrier under the slab.
- Special treatments are necessary where hydrostatic pressure or moisture vapor transmission may be present.
- Substrate temperature must be a minimum of 55°F (Low temperature cure system available on request).
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials.
- All control joints and expansion joints in the substrate must be revealed with the appropriate divider strips in the topping.

TYPICAL USES

KEY GEMINI FLOORING is the best choice for heavy duty use in corridors, auditoriums, kitchen areas, classrooms, shower rooms, cafeterias, laboratories, correctional and health care facilities, or light production areas.

SELECTION GUIDE

↑	Activity Centers	
	Aircraft Hangars	
↔	Airports	Baggage/Service Terminals
↑	Animal Areas	Housing
↑		Cage Washing
↔	Beverage	Processing
		Packaging/Warehousing
↑		Bottling
↔	Cafeterias	
↑	Chemical Processing	
↑	Clean Rooms	
↔	Coolers	
	Computer Assembly	
↑	Commercial Kitchens	
	Containment Areas	
	Convention Centers	
↑	Correctional Facilities	
↑	Corridors	
↔	Docks/Ramps	
↑	Dairies	
↑	Distilleries	Packaging
↑		Bottling
↑	Food	Processing
↑		Preparation Service
	Garages	
↑	Hospitals	Corridors & Lobbies
		Patient Rooms
↔		Operating Rooms
↑		Services
↑	Laboratories	
↑	Laundries	
↔	Locker Rooms	
↔	Machine Shops	
	Manufacturing	Light Duty Heavy Duty
↑	Meat, Fish, Poultry Processing	
	Mechanical Equipment Rooms	
	Munitions Facilities	
	Parking Garages	Interior Decks Exterior Decks
↑	Pharmaceutical Plants	
↑	Pulp and Paper Processing Facilities	
↔	Schools	
↔	Shopping Malls	
↑	Showers	
↔	Utilities	
↔	Warehouses	
↑	Waste Water Treatment Facilities	

↑-Excellent Choice ↔-Alternate Choice

TECHNICAL DATA

System Performance Properties

Flammability	ASTM D-635	Self Extinguishing
Adhesive Strength	MIL-D-26413	420 psi
Fungus & Bacteria Growth	MIL-F-52505 §4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacteria tests.
Hardness	ASTM D-2240	80-84 Shore D
Bond Strength to Concrete	ACI COMM #403, Bulletin 59-43	300 psi (100% concrete failure)
Resistance to Elevated Temperature	MIL-D-3134F §4.7.4	No slip or flow at required temperature of 158°F
Coefficient of Friction	ASTM D-2047	0.70
Water Absorption	ASTM D-570	Nil
Thermal Shock Resistance	ASTM C-884	Passes
Abrasion Resistance	ASTM D-4060	32 mg
Impact Resistance	MIL-D-3134F §4.7.3	Withstands 16 ft./lbs. without cracking, delamination, or chipping.
Compressive Strength	ASTM C-579, 7 days	14,000 psi
Tensile Strength	ASTM C-307	2,400 psi
Flexural Strength	ASTM C-580	4,200 psi
Thermal Coefficient of Expansion	ASTM C-531	26 x 10 ⁻⁶

Neat Resin Performance Properties

Compressive Strength	ASTM D-695	13,000 psi
Ultimate Tensile Strength	ASTM D-638	4,200 psi
Tensile Elongation	ASTM D-638	6-8%
Flexural Strength	ASTM D-790	7,800 psi
Flexural Modulus	ASTM D-790	2.5 x 10 ⁵
Hardness	ASTM D-2240	65-85 Shore D

COMPOSITION

100% solids epoxy mortar with graded specialty aggregates to form a decorative impact resistant base. Urethane and epoxy finish coats provide specific performance characteristics.

COLOR & AVAILABILITY

KEY GEMINI FLOORING is available in a variety of blends. Custom color blends are available subject to laboratory approvals, minimum quantities, lead time for production, and increased cost.

Key Flooring Systems are available throughout the United States, Canada, and a number of other countries. Contact the **KEY REPRESENTATIVE** in your area for details.

APPLICATION

Concrete surfaces must be in sound condition and properly prepared prior to any **KEY RESIN COMPANY** flooring system installation. Refer to **Key Resin Company Technical Bulletin #1** for specific preparation guidelines.

Installation of **KEY GEMINI FLOORING** involves several steps including priming, trowelling mortar base, grouting, and sealing. For specific installation guidelines consult **Key Resin Company's Installation Instruction Manual**.

MAINTENANCE

After completing the application of **KEY GEMINI FLOORING**, the installer should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly.

KEY GEMINI FLOORING is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Waxing is optional. Long periods of heavy traffic may cause wear patterns necessitating a maintenance application of a finish coat.

TECHNICAL SERVICE

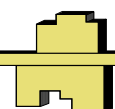
Key Resin Company and **KRC Associates, Inc.** provide services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. **KEY REPRESENTATIVES** are available to assist you at any time. CALL (888)943-4532.

WARRANTY Key Resin Company ("Key") warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Key. If any product fails to meet this warranty, the liability of Key will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Key within (1) one year of delivery of materials. Key may in its discretion refund the price received by Key in lieu of replacing the material. No customer, distributor, or representative of Key is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Key. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Key reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. KEY'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND KEY SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



KEY RESIN COMPANY

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Key Gemini Flooring-2