



KEY LASTIC DE

SELECTION GUIDE

DESCRIPTION

KEY LASTIC DE is a fluid applied, decorative resilient flooring system for concrete floors, school classrooms and cafeterias, and mechanical equipment rooms. The resiliency of **KEY LASTIC DE** provides sound-deadening qualities and cushioning under foot.

KEY LASTIC DE exhibits excellent adhesion and abrasion, impact, and chemical resistance. Elastomeric properties will allow for horizontal movement of up to 1/8" without fracturing **KEY LASTIC DE**.

The surface characteristics of **KEY LASTIC DE** can be varied to accommodate the degree of skid resistance, the decorative appearance, and the chemical resistance.

KEY ADVANTAGES

- Decorative Appearance
- High Wear and Abrasion Resistance
- Low Maintenance
- Safe (non-skid)
- 100% Solids Provides Low Odor Application
- 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 LASTIC DE, a 1/8" system, is an ideal choice for use in classrooms, shower rooms, cafeterias, mechanical equipment rooms, or light production areas.

↑	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
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	50 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	0.60
Water Absorption ASTM D-570	Nil
Thermal Shock Resistance ASTM C-884	Passes
Abrasion Resistance ASTM D-4060	Will vary with finish
Impact Resistance MIL-D-3134F §4.7.3	Withstands 16 ft./lbs. without cracking, delamination, or chipping.
Compressive Strength ASTM C-579, 7 days	7,000 psi
Tensile Strength ASTM C-307	1,200 - 1,500 psi
Thermal Coefficient of Expansion ASTM C-531	12-15 x 10 ⁻⁶

Membrane

Performance Properties

Ultimate Tensile Strength ASTM D-638	1,000-1,200 psi
Tensile Elongation ASTM D-638	100%
Hardness ASTM D-2240	80 Shore A

COMPOSITION

100% solids clear epoxy resin with decorative colored quartz aggregates. Urethane and epoxy finish coats provide specific performance characteristics.

COLOR & AVAILABILITY

KEY LASTIC DE is available in a variety of standard blends of colored quartz. Colors will not fade or wear thin.

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 LASTIC DE** involves several steps including priming, applying successive base coats, broadcasting colored quartz, grouting, and sealing. For specific installation guidelines consult **Key Resin Company's Installation Instruction Manual**.

MAINTENANCE

After completing the application of **KEY LASTIC DE**, 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 LASTIC DE 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.



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