



KEY LASTIC FLEX-FLOR

DESCRIPTION

KEY LASTIC FLEX-FLOR is a nominal 1/8" resilient polymer flooring system consisting of a 100% solids resilient polymer body coat, synthetic decorative filler, and clear polyaspartic or urethane seal coats. Gloss and satin finishes are available for specific sealers. The installed system produces a dense, sanitary finish that is designed to provide acoustical quietness and comfort under foot while minimizing bacterial growth and chemical penetration. The finish can be made non-slip resistant as required for wet areas.

KEY ADVANTAGES

- Seamless, Sanitary Floor
- High Impact and Wear Resistance
- Low Maintenance
- Quiet Acoustical and Ergonomic Environment
- Chemical Resistant Finish
- Contributes to LEED credits

KEY CONSIDERATIONS

- Concrete substrate must be flat/level within a tolerance of 1/8" per 10 lineal feet or a Floor Flatness (F_F) value of F_F50. Installation of epoxy leveling underlayment may be necessary.
- Concrete substrate must be free of dirt, waxes, curing agents and other foreign materials.
- Cracks in the substrate must be treated. Option: Install Key #580 Membrane over entire floor surface to provide maximum resistance to crack propagation.

COMPOSITION

KEY LASTIC FLEX-FLOR is a resilient polymer flooring system consisting of a resilient polymer resin base coat, synthetic filler, and a clear polyaspartic or urethane sealer, depending on project requirements. Satin or gloss finish available depending on specific sealer used.

TYPICAL USES

KEY LASTIC FLEX-FLOR is a flooring system ideal for use in healthcare facilities, labs, operating rooms, corridors, lobbies, light manufacturing areas, schools, or other areas requiring a chemical resistant, sanitary, wear resistant and attractive finish with acoustical quietness and ergonomic comfort underfoot.

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 and required moisture testing. For specific installation details consult **Key Resin Company's Installation Instructions Guideline**.

COLOR & AVAILABILITY

KEY LASTIC FLEX-FLOR is available in a variety of standard or custom colors. **Key Resin Flooring Systems** are available throughout the United States, Canada, and a number of other countries. Contact the **Key Resin Sales Representative** in your area for details.



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 bacterial tests.
Hardness	ASTM D-2240	Shore D - 45-50 Shore A - 85
Bond Strength to Concrete	ACI COMM #403, Bulletin 59-43	300-400+* psi (100% concrete failure) *varies by concrete strength
Critical Radiant Flux	ASTM D-648	1.0
Coefficient of Friction	ASTM D-2047	>0.6* *Varies by sealer type and addition of non-skid grit.
Water Absorption	ASTM D-570	Nil
Thermal Shock Resistance	ASTM C-884	Passes
Abrasion Resistance	ASTM C-501	30-45* mg *Varies by sealer type

Tensile Strength	ASTM D-412	1000 psi
Indentation	MIL-D-3134F §4.7.4	2,000 lbs/sq.in. for 30 minutes indentation – 0.024"
Impact Resistance	MIL-D-3134F §4.7.3	Withstands 16 ft./lbs. without cracking, delamination, or chipping.
Cure Time (Sealer)		6-24* Hours for light foot traffic. *Varies by sealer type

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.

MAINTENANCE

After completing the application of **KEY LASTIC FLEX-FLOR**, 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 FLEX-FLOR is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing using the appropriate pad 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. Refer to Technical Bulletins #3 and #3-A for additional recommendations.

TECHNICAL SERVICE

Key Resin Company provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. **Key Resin Sales/Technical Representatives** are available to assist. Telephone 888.943.4532 or visit www.keyresin.com.