



KEY LASTIC CHIP 100

DESCRIPTION

KEY LASTIC CHIP 100 is a nominal 1/8"-3/16" resilient polymer flooring system consisting of a flexible epoxy or urethane resin base coat, resilient epoxy body coat, and a polyaspartic or urethane receiving coat broadcast with decorative colored chips. Key Lastic Chip 100 is finished with clear catalyst-cured coats of resin. 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
- Decorative Appearance

KEY CONSIDERATIONS

- Should be applied when temperature is between 60°F and 85°F.
- Site must be free from condensation or water contamination during application and cure.
- Concrete substrate must be free of dirt, waxes, curing agents and other foreign materials.
- Cracks in the substrate must be filled with epoxy repair material.

COMPOSITION

KEY LASTIC CHIP 100 is a resilient polymer flooring system consisting of a flexible epoxy or urethane resin base coat, resilient epoxy body coat, and a polyaspartic or urethane receiving coat broadcast with decorative colored chips. Topcoats consist of clear polyaspartic or clear urethane resin, depending on project requirements. Satin or gloss finish available depending on specific sealer used.

TYPICAL USES

KEY LASTIC CHIP 100 is a system ideal for use in corridors, lobbies, light manufacturing areas, healthcare facilities, labs, schools, or other areas requiring a chemical resistant, sanitary, wear resistant and decorative 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 vapor testing.

For specific installation guidelines consult **Key Resin Company's Installation Instruction Manual**.

COLOR & AVAILABILITY

KEY LASTIC CHIP 100 is available in a variety of 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 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
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 (System)	12-24* Hours for light foot traffic. *Varies by sealer

MAINTENANCE

After completing the application of **KEY LASTIC CHIP 100**, 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 CHIP 100 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. Refer to Technical Bulletins #3 and #3-A for additional recommendations.

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 Resin Sales Representatives** are available to assist. CALL (888) 943-4532 or visit www.keyresin.com.

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) 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.

