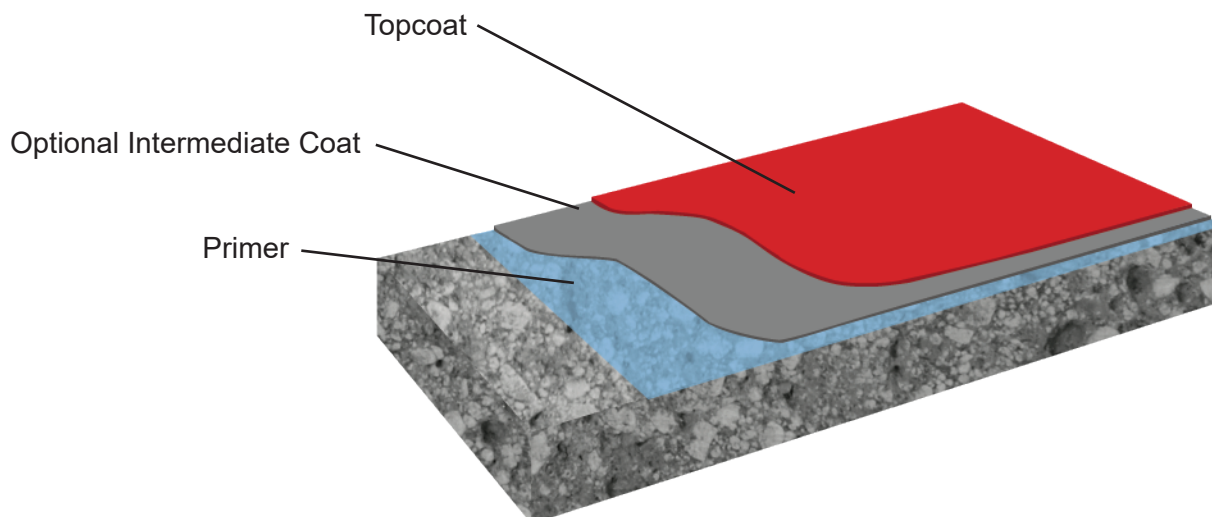


KEY THIN-FILM COATING SYSTEM

Technical Data Sheet



DESCRIPTION

KEY RESIN COMPANY formulates a variety of epoxy and polyurethane coatings specially designed to protect floors from various degrees of chemical attack and abrasion. **KEY THIN-FILM SYSTEMS**, typically installed at 6-15 mils thickness, provide a brighter environment with improved cleanability over concrete surfaces. Review the requirements of your facility with the product data to select the finish that best meets the needs of the application.

KEY ADVANTAGES

- Improves abrasion & chemical resistance of concrete floors
- Slip resistant finishes available
- Gloss brightens environment
- Low odor formulations available
- Sanitary, seamless, does not support mold growth
- Meets USDA requirements
- Brightens environment (gloss, satin, matte finish available)

TYPICAL USES

- Light-medium duty manufacturing areas
- Activity centers
- Aircraft hangars
- Storage rooms
- General purpose areas
- Corridors
- Warehouses
- Garage floors
- Numerous other uses—consult with **Key Resin**

PHYSICAL PROPERTIES

Test Name	Method	Value
Color		Key Standard Colors and Custom Colors
VOC (Volatile Organic Content)	EPA Method 24	Refer to Individual Product Component Data Sheet
Adhesion to Concrete	ASTM D7234	300-400+ psi (Concrete Failure, varies by concrete strength)
Hardness, Shore D	ASTM D2240	80-85
Flammability	ASTM D635	Self Extinguishing
Abrasion Resistance	ASTM D4060, CS17 Wheel, 1000 cycles	30-60 mg average Varies by topcoat
Impact Resistance	MIL-D-3134J	Withstands 16 ft-lbs without cracking, delamination or chipping
Resistance to Elevated Temperatures	MIL-D-3134J	No slip or flow at required temperature of 158°F
Slip Resistance	ASTM D2047	>0.6 Exceeds ADA recommendations

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APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared and tested for moisture as outlined in **Key Resin Technical Bulletin #1**. Work must be performed by experienced contractors. The **Key Resin Technical Service Department** is available to answer any questions.

INSTALLATION

KEY THIN-FILM COATING SYSTEM material components are mixed on site. Refer to the detailed installation instructions document and **Key Resin Technical Service**.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner. Consult Safety Data Sheet (SDS) for safety and health precautions.

MAINTENANCE

After completing the application of the **KEY THIN-FILM COATING SYSTEM**, the installer should provide the owner with maintenance instructions. **KEY THIN-FILM COATING SYSTEM** is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing using the appropriate pad is recommended for all surfaces having a slip resistant texture. Refer to **Key Resin Technical Bulletins #3** and **#3-A** for additional recommendations.

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.

SYSTEM OPTIONS

- Slip resistant texture
- UV resistance, chemical resistance
- Various topcoats depending on service requirements
- Low odor options

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 Representatives** are available to assist. Telephone **888.943.4532** or visit **www.keyresin.com**.

AVAILABILITY

Key Resin flooring systems are available throughout the United States and a number of other countries. Contact the **Key Resin Sales Representative** in your area for details.



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