



KEY LUSTER METALLIC

DESCRIPTION

KEY LUSTER METALLIC is a decorative thin-film system having a bright metallic finish. It is typically finished with a clear urethane or epoxy sealer for excellent wear and abrasion resistance. **KEY LUSTER METALLIC** is ideal for residential use, office complexes, commercial areas, lobbies, or light industrial applications.

KEY ADVANTAGES

- Good clarity and color.
- Low odor during application and cure. Can be applied in occupied buildings.
- Low viscosity. Easy spreading and wetting properties.
- Available in "Fast Cure" Systems.

KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F (Contact **Key Resin Company** for Low Temperature Cure).
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials.

COMPOSITION

100% Solids Epoxy Resin with Aliphatic Amines and Metallic Pigments.

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in **KEY RESIN COMPANY'S TECHNICAL BULLETIN #1**. Work must be performed by trained or experienced contractors or maintenance personnel. The **KEY RESIN COMPANY** service department is pleased to answer any questions.

INSTALLATION

KEY LUSTER METALLIC is normally applied as a three or four coat system.

KEY RESIN #502 EPOXY PRIMER or **KEY RESIN #535 WATER EMULSION FINISH** are used to prime the surface.

KEY LUSTER METALLIC is applied in two coats spreading with a flat trowel at 100-125 square feet per gallon on each coat. The second coat is sprayed lightly with a dispersing agent to distress the surface. A seal coat of **Key** urethane or epoxy will provide excellent wear and abrasion.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner.

COLOR SELECTION

KEY LUSTER METALLIC is available in Bronze, Brass, Copper, Antique Silver, and Bright Silver.

PHYSICAL PROPERTIES

Tensile Strength (ASTM D-638)	8,500 psi
Adhesion to Concrete (ACI Comm 403)	350 psi (100% concrete failure)
Hardness (ASTM D-2240)	80 (Shore D)
Flexural Strength (ASTM D-790)	8,000 psi
Compressive Strength (ASTM D-695)	11,000 psi
Service Temperature	150°F (wet) 160°F (dry)
Water Absorption (ASTM D-670-73)	0.10% maximum

TECHNICAL DATA

Viscosity @ 75°F, Mixed	750-1,000 cps
Mixing Ratio	4 Parts A to 1 Part B by Volume
Solids Content	100%, by volume
Volatile Organic Content (VOC)	-0-
Gloss, 60°F	100-110
Weight per Gallon	9.00-9.50 pounds per gallon, mixed

CURE/DRY TIME

Pot Life	30-40 minutes @ 75°F
Dry to Touch	10-14 hours @ 75°F
Re-Coat	14-16 hours @ 75°F
Light Traffic	16 hours @ 75°F
Full Cure & Maximum Resistance	5 days

AVAILABILITY

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

MAINTENANCE

After completing the application of **KEY LUSTER METALLIC**, 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 LUSTER METALLIC 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) 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.

CHEMICAL RESISTANCE

REAGENT	RATING
Acetone	L
Ammonia Hydroxide-38%	R
Beer	R
Bleach	L
Brake Fluid	L*
Ethylene Glycol	R
Fatty Acids	L
Gasoline	L
Hydrochloric Acid-15%	R
Lactic Acid-10%	R
Orange Juice	R
Peroxide-35%	L
Phosphoric Acid-85%	L
Skydrol	R
Sodium Hydroxide-50%	R
Sulfuric Acid-20%	R
Toluene	L
Urea	R
Vinegar	L
Xylene	L

R-Recommended for continuous service.

L-Limited Recommendation, occasional spills.

*-May cause slight stain or discoloration.