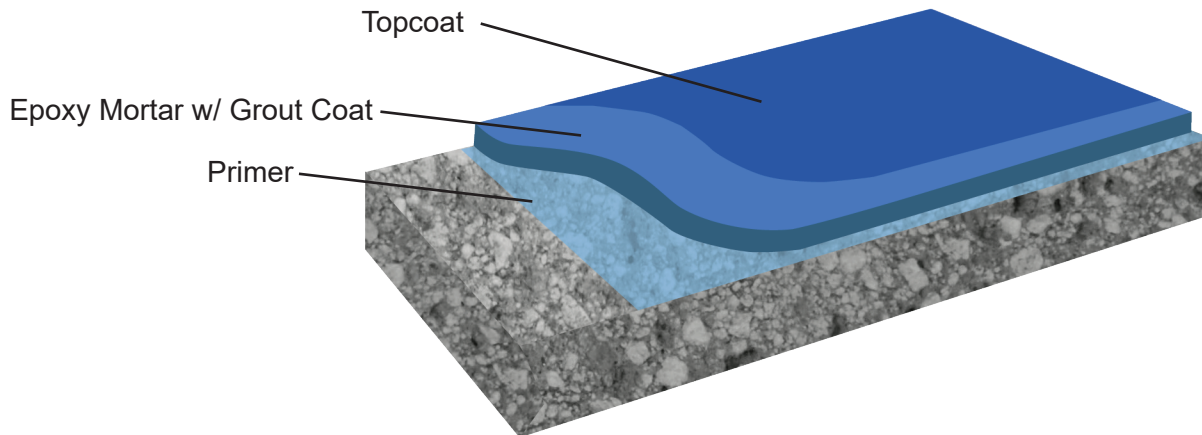


KEY MORTAR STD

Technical Data Sheet



DESCRIPTION

KEY MORTAR STD is a trowel applied resin flooring system consisting of 100% solids epoxy and graded aggregates that provides heavy-duty protection at 3/16" to 1/4"+. When grouted and sealed, **KEY MORTAR STD** eliminates porosity and produces a dense, skid-inhibiting finish that will minimize dirt and chemical penetration. **KEY MORTAR STD** may be sealed to meet your facility's needs to enhance abrasion resistance, gloss retention, and non-skid properties. **KEY MORTAR STD-HD** (heavy duty) includes a broadcast finish to improve the abrasion, impact, and slip resistance of the system. For chemical resistant applications, specify **KEY MORTAR STD-HP** or **KEY MORTAR STD-HD-HP**. **KEY MORTAR STD** can be installed with an integral cove base for areas requiring seamless wall to floor coatings. A waterproof crack-resistant system can be achieved by using a **KEY CRACK ISOLATION AND WATERPROOFING MEMBRANE**. Contact your **KEY REPRESENTATIVE** for assistance.

KEY ADVANTAGES

- Superior wear, impact, and abrasion resistance
- Protects concrete from abuse and heavy traffic
- Thermal shock resistant
- Low maintenance
- Safe (with slip resistant finish)
- Low odor application for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Chemical resistant finishes are available

TYPICAL USES

- Manufacturing plants—all areas
- Loading dock areas
- Heavy duty forklift traffic areas
- AGV-automated guided vehicle traffic aisles
- Food/beverage—processing and preparation areas
- Machine shops
- Vehicle and heavy equipment service areas
- Laboratories
- Health care, medical facilities
- Military aircraft hangars
- Concrete repair, resurfacing, leveling, sloping
- 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
Compressive Strength	ASTM C579	11,800 psi
Flexural Strength	ASTM C580	4,700 psi
Hardness, Shore D	ASTM D2240	80-90
Tensile Strength	ASTM D412	2,400 psi
Flammability	ASTM D635	Self Extinguishing
Impact Resistance	MIL-D-3134J	Withstands 16 ft-lbs without cracking, delamination or chipping
Abrasion Resistance	ASTM D4060, CS17 Wheel, 1000 cycles	10-60 mg Varies by Sealer
Resistance to Elevated Temperatures	MIL-D-3134J	No slip or flow at required temperature of 158°F
Slip Resistance	ASTM D2047	>0.6 Passes 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 MORTAR STD 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 **KEY MORTAR STD**, the installer should provide the owner with maintenance instructions. **KEY MORTAR STD** 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.

SYSTEM OPTIONS

- Chemical resistant sealer options
- MVT moisture mitigation control systems
- Crack isolation & waterproofing membrane
- Smooth or slip resistant finish

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.

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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