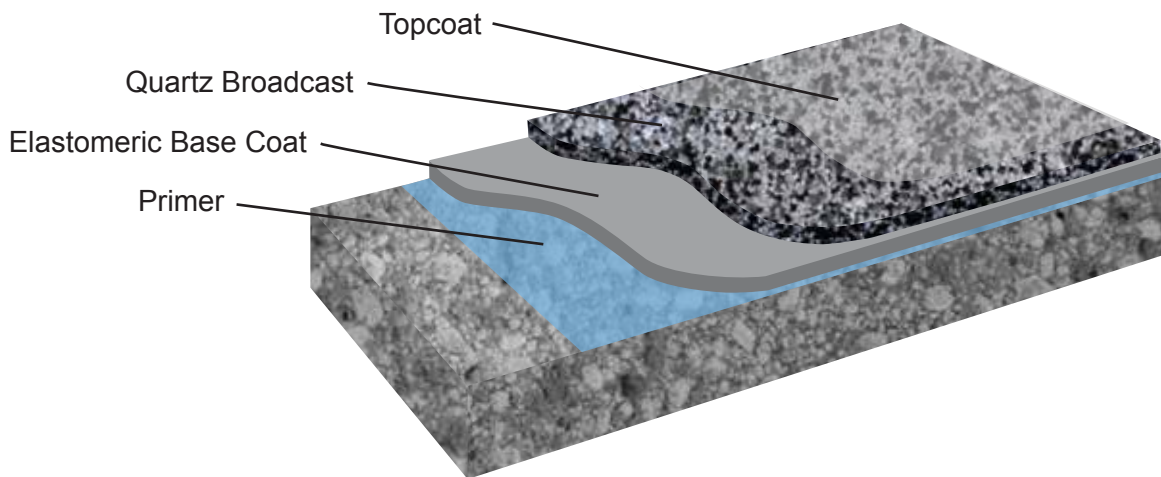


# KEY MMA ELASTOMERIC QUARTZ

Technical Data Sheet



## DESCRIPTION

**KEY MMA ELASTOMERIC QUARTZ FLOORING** is a 100% reactive, rapidly curing methyl methacrylate (MMA) flooring system. This system is composed of 100% MMA elastomeric basecoat resins, decorative colored quartz aggregate with a clear MMA topcoat. Installed thickness is 3/16" to 1/4" depending on intended service and project requirements.

## KEY ADVANTAGES

- Elastomeric for absorbing crack movement and substrate movement
- VOC compliant, meets USGBC LEED® guidelines
- High impact and wear resistance
- Textured finish is slip resistant
- Cures over wide temperature range down to -20°F
- Good chemical resistance
- Decorative multi-color finishes available

## TYPICAL USES

- Balconies
- Pool decks
- Sports floors
- Roof decks
- Numerous other uses-Consult with Key Resin

## PHYSICAL PROPERTIES

Test Name	Method	Value
Color	Key Standard Quartz Blend Colors and Custom Blended Colors	
VOC (Volatile Organic Content)	EPA Method 24	Refer to Individual Product Component Data Sheet
Adhesion to Concrete	ASTM D4541	300-400+ psi (Concrete Failure, varies by concrete strength)
Elongation	ASTM D412	80%
Hardness, Shore D	ASTM D2240	40
Tensile Strength	ASTM D412	1,700 psi
Flammability	ASTM D635	Self Extinguishing
Abrasion Resistance	ASTM -4060, CS17 Wheel, 1000 cycles	50-60 mg
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 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**. If moisture testing confirms excessive levels of moisture, apply moisture mitigation system recommended by **Key Resin**. Work must be performed by experienced contractors. The **Key Resin Technical Service Department** is available to answer any questions.

### INSTALLATION

**KEY MMA ELASTOMERIC QUARTZ** 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 MMA ELASTOMERIC QUARTZ**, the installer should provide the owner with maintenance instructions. **KEY MMA ELASTOMERIC QUARTZ** 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

- Custom Decorative Quartz Blends

## 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](http://www.keyresin.com).

## AVAILABILITY

**Key Resin** materials are available throughout the United States, Canada, China, and a number of other countries. Contact the **Key Resin Representative** in your area for details.

