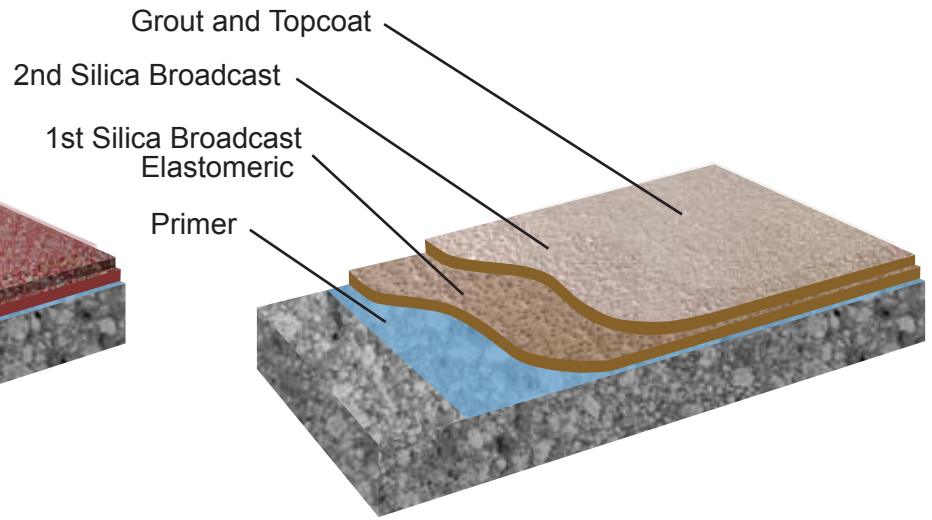
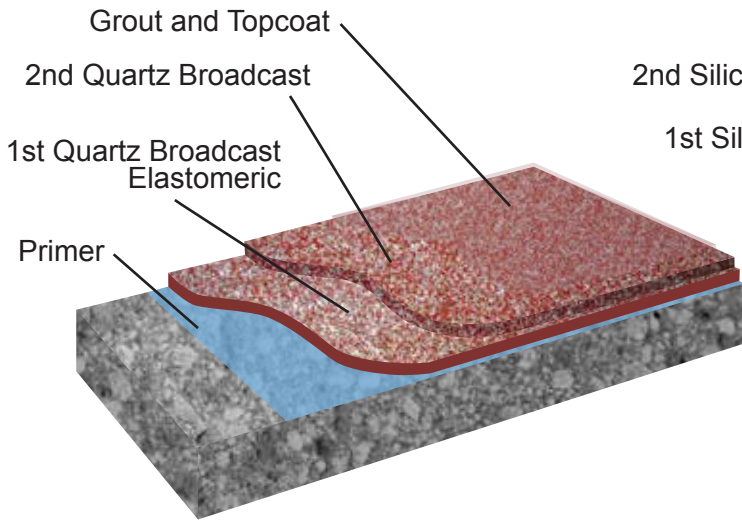


KEY MMA ELASTOMERIC FREEZER

Technical Data Sheet



DESCRIPTION

KEY MMA ELASTOMERIC FREEZER 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 or silica aggregate, and clear or pigmented MMA top coats. Installed thickness is 3/16" to 1/4" depending on intended service and project requirements.

KEY ADVANTAGES

- Elastomeric for absorbing crack movement and thermal shock
- VOC compliant, meets USGBC LEED® guidelines
- High impact and wear resistance
- Cures over wide temperature range down to -20°F
- Good chemical resistance
- Meets USDA requirements
- Available with Key Bioclean Antimicrobial Additive if needed

TYPICAL USES

- Freezers
- Coolers
- Numerous other uses-Consult with Key Resin

PHYSICAL PROPERTIES

| Test Name | Method | Value |
|--------------------------------|--|---|
| Color | Key Standard Colors and Custom Colors Key Standard Quartz Blends and Custom Quartz Blends | |
| 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) |
| 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 D4060, CS17 Wheel, 1000 cycles | 50-60 mg |
| Impact Resistance | MIL-D-3134J | Withstands 16 ft-lbs without cracking, delamination or chipping |
| Thermal Cycling | ASTM C-884 24 hrs, -21°C to 25°C | No Cracking |
| Slip Resistance | ASTM D2047 | >0.6 Passes ADA recommendations |

KEY MMA ELASTOMERIC FREEZER

Technical Data Sheet



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 FREEZER flooring 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 FREEZER** flooring, 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 MMA ELASTOMERIC FREEZER** 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. Waxing is optional. Long periods of heavy traffic may cause wear patterns necessitating a maintenance application of a finish coat. 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

- Decorative Quartz Blends or Solids Colors

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.

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.

