



## DESCRIPTION

**KEY MARBLE** is a 3/16" - 1/4" nominal thickness, highly decorative, trowled resin flooring system incorporating the natural beauty of marble with the durability and ease of maintenance found with seamless epoxy flooring systems. Consisting of a trowled blend of washed marble chips and a water-clear 100% solids epoxy binder, **KEY MARBLE** presents the natural beauty of marble while enhancing its strength and durability. An integral cove base can be included with **KEY MARBLE** where specified. For crack resistant, waterproof applications, **KEY MARBLE** can also be installed in conjunction with a Key Waterproofing Membrane. **KEY MARBLE** has good chemical resistance and is designed for high impact and heavy duty use. Maximum chemical resistance can be achieved through utilizing KEY RESIN #615 CHEMICAL RESISTANT BINDER.

## KEY ADVANTAGES

- Enhances the natural beauty of marble with the strength of seamless flooring
- High impact and wear resistant
- Chemical resistant
- Thermal shock resistant
- Will not support growth of fungus or bacteria
- Conforms to MIL-D-24613 Type I, class 3
- KEY MARBLE ONE-STEP conforms to MIL-D-24613 Type III

## TYPICAL USES

- Activity Centers
- Animal Housing
- Beverage Plants
- Correction Facilities
- Food Processing
- Hospital
- Laboratories
- Numerous other uses-Consult with Key Resin

## PHYSICAL PROPERTIES

| Test Name                           | Method                               | Value   |
|-------------------------------------|--------------------------------------|---|
| Color                               |                                      | Clear Resin and Custom Marble Blends                            |
| VOC (Volatile Organic Content)      | (EPA Method 24)                      | Refer to Individual Product Component Data Sheet                |
| Bond Strength to Concrete           | ASTM D-4541                          | 300 psi Concrete Failure  |
| Compressive Strength                | ASTM C-579                           | 13,000 psi  |
| Flexural Strength                   | ASTM C-580                           | 7,800 psi   |
| Hardness, Shore D                   | ASTM D-2240                          | 80-84   |
| Tensile Strength                    | ASTM C-307                           | 2,400 psi   |
| Flammability                        | ASTM D-635                           | Self Extinguishing  |
| Abrasion Resistance                 | ASTM D-4060, CS17 Wheel, 1000 cycles | 50 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                |

## 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 MARBLE** 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 MARBLE**, the installer should provide the owner with maintenance instructions. **KEY MARBLE** 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

- Waterproofing Membrane
- Chemical Resistant Binder and topcoats
- Moisture Vapor Transmission underlayment

## 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.

## 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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