



DESCRIPTION

KEY STONE is a 5/16" - 1/2" nominal thickness, highly decorative, troweled resin flooring system incorporating the beauty of natural stone with the durability and ease of maintenance found with seamless epoxy flooring systems. Consisting of a troweled blend of washed natural stone and a water-clear 100% solids epoxy binder or fast curing methyl-methacrylate, **KEY STONE** provides a positively textured profile for slip resistance. For crack resistant, waterproof applications, **KEY STONE** can also be installed in conjunction with a Key Waterproofing Membrane. **KEY STONE** is troweled for a fast installation and has good chemical resistance for high impact and heavy duty use.

KEY ADVANTAGES

- Enhances the natural beauty of stone with the strength of seamless flooring
- High slip resistance
- Fast installation
- High impact and wear resistant
- Chemical resistant
- Thermal shock resistant
- Will not support growth of fungus or bacteria
- Pervious flooring system

TYPICAL USES

- Activity Centers
- Outdoor Patios
- Sidewalks
- Pool decks
- Residential Basements
- Numerous other uses-Consult with Key Resin

PHYSICAL PROPERTIES

Test Name	Method	Value
Color		Clear Resin and Custom Stone 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 STONE 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 STONE**, the installer should provide the owner with maintenance instructions. **KEY STONE** 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.

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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