



DESCRIPTION

KEY CONTAIN STD is a high performance, trowel applied resin flooring system consisting of 100% solids epoxy-novolac and graded aggregates that provides heavy duty, chemical resistant protection at 3/16" to 1/4". Grouted and sealed with epoxy-novolac, **KEY CONTAIN STD** produces a dense, skid-inhibiting finish with excellent chemical resistance. **KEY CONTAIN STD-HD** (heavy duty) includes a broadcast finish to improve the abrasion, impact, and slip resistance of the system. **KEY CONTAIN 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

- Excellent chemical resistance
- High wear, impact, and abrasion resistance
- Low maintenance
- Safe (Slip resistant finish)
- 100% solids provides low odor application
- Thermal shock resistant

TYPICAL USES

- Solvent storage areas
- Chemical processing areas
- Laboratories
- Numerous other uses-Consult with Key Resin

SYSTEM COMPONENTS

- Key # 502 Primer/Low-Modulus Binder
- Key #510 Epoxy Binder
- Key Mortar Blended Aggregate
- Key #625 Chemical Resistant Coating (grout coat)
- Key #625 Chemical Resistant Coating (optional seal coat)

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	15,000 psi
Flexural Strength	ASTM C580	3,700 psi
Hardness, Shore D	ASTM D2240	80-85
Tensile Strength	ASTM D638	6,000 psi
Flammability	ASTM D635	Self Extinguishing
Abrasion Resistance	ASTM D4060, CS17 Wheel, 1000 cycles	60-70 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

KEY CONTAIN STD

Technical Data Sheet



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. **KEY CONTAIN SLT** material components are mixed on site. Refer to the detailed installation instructions document and **Key Resin Technical Service**.

MAINTENANCE

After completing the application of **KEY CONTAIN STD**, the installer should provide the owner with maintenance instructions. **KEY CONTAIN 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

- Integral Cove Base
- Key Crack Isolation and Waterproofing Membrane

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, Canada, 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.**

CHEMICAL RESISTANCE

REAGENT	RATING
Acetic Acid - 5%	R
Acetone	L
Ammonia Hydroxide - 38%	R
Beer	R
Bleach	L
Brake Fluid	R
Citric Acid - 30%	R
Citric Acid - 40%	L
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	R
Gasoline	R
Hydrochloric Acid - 15%	R
Lactic Acid - 15%	R
Lactic Acid - 50%	L
Methyl Ethyl Ketone	L
Nitric Acid - 10%	R
Orange Juice	R
Peroxide - 35%	L
Phosphoric Acid - 85%	L
Skydrol	R
Sodium Hydroxide - 50%	R
Sulfuric Acid - 20%	R
Toluene	L
Urea	R
Vinegar	L
Xylene	L

R - Recommended for continuous service

L - Limited recommendation (occasional spills, may cause slight stain or discoloration)

