



# KEY NOVOLAC JOINT FILLER #783

## DESCRIPTION

**KEY RESIN #783** is a 100% solids flexible novolac-epoxy joint filler used to provide chemical resistant protection for saw-cut joints in concrete slabs or in the repair of existing damaged joints. **KEY RESIN #783** absorbs the impact and shock of heavy loads and steel wheeled traffic, preventing erosion of control joint edges.

## KEY ADVANTAGES

- Easy 1 to 1 Mixing Ratio
- Ultimate Elongation of 80-100%
- Low Odor During Application and Cure--Can be Used in Occupied Facilities
- Chemical Resistant

## KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- Should not be installed on new concrete (at least 30 days after placement)
- Should not be used as an expansion joint material

## COMPOSITION

100% Solids Novolac-Epoxy Resin with Aliphatic Amines

## APPLICATION

### SURFACE PREPARATION

**Surface Preparation** is the most critical portion of any successful resinous flooring system application. Remove all curing compounds, sealers, and any other foreign substances from joints. Immediately prior to applying **KEY RESIN #783**, remove all water and dust from all surfaces with an oil free air blast. Work must be performed by trained or experienced contractors or maintenance personnel. The **KEY RESIN COMPANY** service department is pleased to answer any questions.

### MIXING & INSTALLATION

**KEY RESIN #783** is mixed by combining equal parts by volume of Part A and Part B. Pre-mix each component prior to combining. Mix combination with a low speed drill for a minimum of three minutes.

**KEY RESIN #783** can be poured from a suitable container or applied with a caulking gun. Two passes may be required, as pourable materials have a tendency to dish out. The filled joint **MUST** be flush with the floor. For complete installation instructions, contact your **Key Representative** or **Key Resin Company's Technical Service**.

### CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner before **KEY RESIN #783** gels.

## TECHNICAL DATA

<b>Mixed Viscosity</b>	2,200 cps
<b>Mixing Ratio</b>	1 Part A to 1 Part B by Volume
<b>Solids Content</b>	100%, by volume
<b>Volatile Organic Content (VOC)</b>	-0-
<b>Color</b>	Grey
<b>Weight per gallon</b>	10.50 pounds per gallon, mixed

## AVAILABILITY

**Key Resins** are available throughout the United States, Canada, and a number of other countries. Contact the **KEY REPRESENTATIVE** in your area for details.

## CURE/DRY TIME

<b>Pot Life</b>	40 minutes @ 75°F
<b>Dry to Touch</b>	6-8 hours @ 75°F
<b>Re-Coat</b>	8-10 hours @ 75°F
<b>Sanding Time</b>	24-48 hours @ 75°F
<b>Full Cure &amp; Maximum Resistance</b>	48-72 hours

## MAINTENANCE

**KEY RESIN #783** is typically installed as a joint material for **Key Flooring Systems**. However, if needed, **KEY RESIN #783** is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture.

## LINEAL FEET PER GALLON

Width→ Depth↓	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"
1/4"	616.0	308.0	205.3	154.0	123.2	102.7	77.0
1/2"	308.0	154.0	102.7	77.0	61.6	51.3	38.5
3/4"	205.3	102.7	68.4	51.3	41.1	34.2	25.7
1"	154.0	77.0	51.3	38.5	30.8	25.7	19.3
1 1/4"	123.2	61.6	41.1	30.8	24.6	20.5	15.4
1 1/2"	102.7	51.3	34.2	25.7	20.5	17.1	12.8
1 3/4"	88.0	44.0	29.3	22.0	17.6	14.7	11.0
2"	77.0	38.5	25.7	19.3	15.4	12.8	9.6
2 1/2"	61.6	30.8	20.5	14.7	12.3	10.3	7.7
2 3/4"	51.3	25.7	17.6	12.8	10.3	8.6	6.4

## TECHNICAL SERVICE

**Key Resin Company** and **KRC Associates, Inc.** provide services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. **KEY REPRESENTATIVES** are available to assist you at any time. CALL (888)943-4532.

## PHYSICAL PROPERTIES

<b>Artificial Weathering</b>	<b>(ASTM G23-75 Type D)</b>	10-15% elastomeric property change after 1,000 hours
<b>Bond Cohesion after Water Immersion</b>	<b>(Fed. Spec. TT-S--00227E)</b>	No Failure After 25% Total Movement
<b>Tensile Strength</b>	<b>(ASTM D-638)</b>	600 psi
<b>Ultimate Elongation</b>	<b>(ASTM D-638)</b>	100%
<b>Tear Resistance</b>	<b>(ASTM D-624-73)</b>	30 lb/in
<b>Service Temperature</b>		30-180°F

**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) 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.



KEY RESIN COMPANY

4061 Clough Woods Drive  
Batavia, Ohio 45103, 888.943.4532



Key #783-2