



## KEY 9526 MMA SEALER

### DESCRIPTION

**KEY 9526 MMA** is a 100% reactive, medium viscosity methyl methacrylate resin developed as a sealer/topcoat over **KEY 9418** and/or **KEY 9510** systems. **KEY 9526** is a rigid coating and specifically designed for food and beverage plants, dairies, and areas having constantly wet surfaces with food and fat contamination.

### KEY ADVANTAGES

- Rapid cure.
- Suitable for USDA food handling areas.
- VOC compliant (100% solids).
- Increased hot water and fat resistance.
- Use over wide temperature range.

### KEY CONSIDERATIONS

- Maintain coating thickness at 10-20 mils to minimize yellowness and possible cracking.
- On or below grade installation must have an efficient vapor barrier under the slab (minimum 10-15 mil).
- Do not use as topcoat over **Key 9332 MMA** flexible resin basecoat.
- Moisture vapor transmission must be less than 3 pounds per ASTM-F-1869 and less than 80% RH per ASTM F-2170.

### COMPOSITION

**Key 9526 MMA** is a 100% reactive methyl methacrylate resin.

### SURFACE PREPARATION

Surface preparation is the most critical portion of any successful resinous flooring system. All substrates must be properly prepared as outlined in **Key Resin Company's Technical Bulletin #1**. Work must be performed by trained or experienced contractors or maintenance personnel.

### COLOR SELECTION

**KEY 9526 MMA** is supplied clear, slightly bluish tint. Color packs are available for selected colors. See **KEY RESIN MMA Color Card**.

### MIXING & APPLICATION

**KEY 9526 MMA** requires the addition of **KEY MMA HARDENER** to start the hardening process. The amount of hardener must be adjusted to the respective surface and material temperature (see table below). In order to achieve the best curing it is necessary to apply **Key 9526** with a short nap roller. Coating thickness should be a minimum of 10 mils and maximum of 20 mils (80-160 sq. ft./gal.) depending on the profile of the base material. One hundred (100) sq. ft./gal. is average. If the coating exceeds 20 mils, the top coat may remain visibly blue or yellow and surface cracks are possible. It is best to spread material with a notched trowel or squeegee to the desired thickness, and roll in one direction, then roll in a 90° pattern. This will reduce the occurrence of roller marks in the top coat.

**Key 9526 MMA** requires the addition of **Key MMA Hardener** to start the hardening process. The amount of hardener must be adjusted to the respective surface temperature (see table below). At temperatures below 40°F, consult with Key Resin for recommendations.

**For Key 9526 MMA Resin**

Temp. (°F) of Resin, Air & Floor Surface	Hardener % by wt. Based on wt. of Key 9526	Hardener % by vol. (oz.) based on Gallon of 9526 Resin	Pot Life (min.)	Hardness Time (min.)
+40	2.0	3.5	Approx. 30	Approx. 50
+50	1.5	2.7	Approx. 25	Approx. 40
+60	1.5	2.7	Approx. 20	Approx. 20
+70	1.0	1.8	Approx. 10	Approx. 15

Key Resin recommends waiting 2 hours between coating and sealing. Coating work has to be continued after the complete hardening of the previous layer.

## PHYSICAL PROPERTIES

Percent Reactive	100%
Working Life, 50°-70°	10 - 25 min.
Recoat Time	Approx. 2 hrs.
Viscosity, cps	380-390
Weight per Gallon	8.3 lbs.
Heat Resistance	216°F
Shore D Hardness	75 - 80

## CLEAN-UP

Clean tools and equipment with lacquer thinner or MEK. Consult Material Safety Data Sheet for safety and health precautions.

## COVERAGE

100 square feet per gallon, average.

## AVAILABILITY

Key Resins are available throughout the United States, Canada, Mexico and a number of other countries. Contact the **Key Representative** in your area. CALL (888) 943-4532 or visit [www.keyresin.com](http://www.keyresin.com).

## MAINTENANCE

**Key 9526 MMA** is considered to be a low maintenance flooring solution. Certain textures and environments, however, require specific cleaning with bristled brushes. Due to the thermoplastic character of MMA resins, black marks can occur from fork lifts and tires skidding.

## STORAGE

Store in a cool and dry place, below 80°F, out of direct sunlight. Do not store near open flame or food. Shelf life is 6 months in the original unopened containers.

## HELPFUL HINTS

Because of the greater hardness **Key 9526 MMA** cannot be installed over flexible coatings like **Key 9332 MMA**, since hairline cracks may occur in the surface. To avoid a yellowish color, hardener quantities stated in the table must be followed exactly.

Good ventilation during the processing ensures a good cross linking and hardening. Use only as directed. If substrate and/or material temperature is above 90°F, DO NOT apply material.

## 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. CALL (888) 943-4532 or visit [www.keyresin.com](http://www.keyresin.com).

## WARRANTY

Information regarding Key Resin brand MMA resins and systems is based upon extensive research and experience in the field of applied engineering by the manufacturer **Plasti-Chemie GMBH International**. By making such information available, Key Resin does not thereby assume any liability beyond express terms of our standard limited material warranty. Key Resin does not warrant the accuracy or completeness of any such information, whether conveyed orally or in writing, but to the best of our knowledge believe it to be accurate. We reserve the right at any time and without notice to update or improve our products and process and our information concerning the same.

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