

# KEY #9000 MMA HARDENER

## Product Information Sheet



## DESCRIPTION

**KEY #9000 MMA HARDENER** is a white dry powder consisting of 50% BPO, Dibenzoyl Peroxide. It must be thoroughly mixed with **Key MMA** resins before adding other fillers and aggregates to ensure the hardening of the mixed materials. Any exceptions to this mixing sequence must be confirmed with **Key Resin Technical Service**. **KEY #9000 MMA HARDENER** is soluble in Acrylic (MMA) resin. After mixing the powder into reactive acrylic it starts the polymerization reaction, which leads to the hardening process of the floor system.

## STORAGE

Store in tight containers in dry environments below 80°F.

## PACKAGING

|            |                |
|------------|----------------|
| 8 vol. oz. | 8 vol. oz. jar |
| 5 lbs.     | 1 gallon pail  |
| 15 lbs.    | 3 gallon pail  |
| 55 lbs.    | 1 box          |

## COMPOSITION

50% BPO, dibenzoyl peroxide.

## TECHNICAL DATA

|  |  |
|--|--|
| Appearance   | Sandy, white dry powder                                  |
| Mixing Ratio   | Varies by resin-refer to resin Product Information Sheet |
| Content of Dibenzoyl Peroxide and Dicyclohexyl Phthalate | Approximately 50%  |
| Self-Accelerating Decomposition Temperature(SADT)        | 140°F  |
| Self-Ignition Temperature                                | >680°F   |
| Solubility   | Not soluble in water                                     |

## APPLICATION

### MIXING INSTRUCTIONS

**KEY #9000 MMA HARDENER** must only be mixed immediately before the application of **Key Resin MMA** resins. Fillers and aggregates are added after the hardener is added and mixed, unless otherwise approved by **Key Resin Technical Service**. It is important to follow the mix ratio chart for each resin pertaining to temperature and desired set time, refer to the individual resin Product Information Sheets for the correct amount of hardener. The amount of hardener needed depends on the type of resin being used and the temperature.

### SAFETY NOTES

**KEY #9000 MMA HARDENER** is an oxidizing agent that violently decomposes under the influence of heat or when in contact with reducing agents. **Do Not Mix With Accelerators**. Store separately from the **Key Resin MMA** resins. Review SDS information thoroughly.

## 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 you. Telephone 888.943.4532 or visit [www.keyresin.com](http://www.keyresin.com).

## AVAILABILITY

**Key Resin** materials are available throughout the United States, Canada, 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.