



KEY 9528 MMA SEALER

DESCRIPTION

Key 9528 MMA is a 100% reactive, medium viscosity methyl methacrylate resin developed as a topcoat for exterior or interior use with Key MMA Systems. **Key 9528** is semi-flexible for outside use and will not yellow after curing when mixed with **Key 9528 MMA UV inhibitor Additive**. Its excellent clarity makes it ideal for sealing color quartz and vinyl flake systems. It is excellent for exterior applications such as parking decks, concrete and steel stairs, ramps, interior freezer rooms, and numerous other applications.

KEY ADVANTAGES

- Improved flow and leveling characteristics.
- Easy to apply.
- Very clear after curing.
- Flexible for exterior use and freezers.
- Rapid recoat time (45 minutes to 1 hour).
- Suitable for USDA food handling areas.

KEY CONSIDERATIONS

- Concrete must be dry, free of dirt, waxes, curing agents and other foreign materials.
- Do not store outside in direct sunlight, storage temperature must be < 80°F.
- On or below grade installation must have an efficient vapor barrier under the slab (minimum 10-15 mil).
- Moisture vapor transmission must be less than 3 pounds per ASTM-F-1869 and less than 80% RH per ASTM F-2170.
- Exterior use requires **Key 9528 UV Inhibitor**, add 1% by volume.

COMPOSITION

Key 9528 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 9528 MMA is supplied clear, slightly bluish tint. Color packs are available for selected colors. Color pack mix ratio is 1 quart pigment per 5 gallons resin. See **Key Resin MMA Color Card**.

MIXING & INSTALLATION

Key 9528 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, Accelerator 101 must be used in addition to the amount of hardener used at the 40°F level (about ½ oz by vol./gal. @ 32°F up to 2.0 oz by vol./gal. @ -20°F).

For Key 9528 MMA Resin

Temp. (°F) of Resin, Air & Floor Surface	Hardener % by Wt. Based on Wt. of 9528 Resin	Hardener by Vol. (oz.) Based on Gallon of 9528 Resin	Pot Life (min.)	Hardness Time (min.)
+40	3.0	5.5	Approx. 40	Approx. 60
+50	2.5	4.5	Approx. 30-35	Approx. 50
+60	2.0	3.5	Approx. 25-30	Approx. 45
+70	1.0	2.0	Approx. 20	Approx. 40

Key 9528 MMA must be applied 50-100 sq. ft./gal. (16-32 mils) for safe through-hardening. To avoid yellowing in exterior applications add **Key 9528 UV Inhibitor**, 1% by volume.

Pigmented topcoats are achieved by adding pigment packs (1 quart per 5 gallons resin) to **Key 9528 MMA**.

Apply material with a notched trowel or squeegee and backroll with a short nap mohair roller.

CLEAN UP

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

COVERAGE

Key 9528 MMA will yield 16-32 mils at 50-100 square feet per gallon, average.

PHYSICAL PROPERTIES

Working life	20-40 min. will vary w/temp. & amount of Hardener
Recoat Time, min.	45-60 min.
Through-Cure, min.	60 min.
Viscosity @ 75°F, cps	220-225 cps
Weight per Gallon	8.1 lbs.

AVAILABILITY

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

MAINTENANCE

Key 9528 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

Adequate cross ventilation should be provided. Good ventilation during the processing ensures a good cross linking and hardening. Read, understand and follow Material Safety Data Sheets and Application Instructions prior to use.

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. Telephone (888) 943-4532 or visit 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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