

Epoxy.com Product #691

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Methyl Methacrylate (MMA) Flooring Primer

Product #691

DESCRIPTION

Product #691 **Methyl Methacrylate (MMA) Flooring Primer** is a 100% reactive **Methyl Methacrylate primer** for all **Epoxy.com MMA floor and wall systems**. Epoxy.com Product #691 Methyl Methacrylate (MMA) Flooring Primer also provides excellent filling and sealing as a scratch work filler (with filler added) to level uneven floor and wall surfaces. Product #691 **Methyl Methacrylate (MMA) Flooring Primer** is a reactive Methyl Methacrylate resin, which hardens rapidly with the addition of [Product #695 MMA hardener](#), even at low temperatures.

ADVANTAGES

- Fast cure (60 min.) for rapid recoat.
- Good wetting properties for excellent bond to concrete.
- VOC compliant (100% solids).
- Full strength in less than 1 hour.
- Use over wide temperature range - even below freezing.

CONSIDERATION

- Substrate must be dry and free of dirt, waxes, curing agents and other foreign materials.
- Should not be installed on fresh concrete until maximum shrinkage has occurred (at least 30 days after placement).
- 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 lbs per ASTM-F-1869 and less than 80% RH per ASTM F-2170.

COMPOSITION

Epoxy.com Product #691 Methyl Methacrylate (MMA) Flooring Primer is a 100% reactive **Methyl Methacrylate resin**.

COLOR SELECTION

Epoxy.com Product #691 **Methyl Methacrylate (MMA) Flooring Primer** is supplied clear. Color packs are available for selected colors. Color pack mix ratio is 1 quart pigment per 5 gallons resin. See Epoxy.com MMA Color Card.

SURFACE PREPARATION

Surface preparation is the most critical portion of any successful resinous flooring system. All substrates must be properly prepared as outlined in [Epoxy.com Surface Preparation Guide](#).

MIXING AND INSTALLATION

Epoxy.com Product #691 Methyl Methacrylate (MMA) Flooring Primer requires the addition of Epoxy.com Product #695 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 ° oz by vol./gal. @ 32°F up to 2.0 oz by vol./gal. @ -20°F).

Epoxy.com Product #691 MMA Primer	SUBSTRATE/MATERIAL TEMPERATURE (°F)	Epoxy.com Product #695 MMA Hardener (BPO)VOL OZ.PER GALLON OF RESIN
	30°F	12.7
	40°F	9.0
	50°F	7.5
	60°F	5.5
	70°F	3.5
	90°F	1.8

See [Epoxy.com Product #695 MMA Hardener](#) Tech Data Sheet for more details and catalyzing Epoxy.com Product #691.

Spread Epoxy.com Product #691 Methyl Methacrylate (MMA) Flooring Primer evenly on the surface (no puddles) with notched trowels, and/or squeegees and back rolled with short nap mohair rollers at no less than 100 sq ft/gal. on very absorbent surfaces. Two coats may be necessary to get an even, resin-rich surface to bond with the next layer.

It is recommended to broadcast 16-30 mesh quartz sand (approximately 4 lbs/100 sq ft) into the wet primer. This will help in the application of the coating or troweled mortar. Apply next application only after the primer is completely hardened.

PHYSICAL PROPERTIES MMA Primer #691	
Percent Reactive	100% (Zero VOC)
Working Life	10-15 min.

Recoat Time	Approx. 60 min.
Viscosity	250-270 cps
Weight per Gallon	8.3 lbs

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, minimum thickness.

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 4 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.

FOR INDUSTRIAL USE ONLY.

KEEP OUT OF REACH OF CHILDREN.

Proper mixing and installation is critical to the optimal success of all product. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

Epoxy.com

A Division of [Epoxy Systems, Inc](#)

20774 W. Pennsylvania Ave.

Dunnellon, Florida 34431

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Customer and Technical Support Hours: 9AM-4PM Eastern Time (6AM-1PM Pacific Time).

Closed 12 Noon-1PM Eastern Time for Lunch

321-206-1833 Customer Service - Ordering and Order Status
Katey Fontaine, VP - Customer Service Director
sales@epoxy.com

Technical Support
352-533-2167 Norm Lambert, President - Technical Support Director
info@epoxy.com

352-489-1666 Accounting and Administration

Debby Lambert, CEO, and CFO
office@epoxy.com

352-489-1625 Fax line to all Departments



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