

PRODUCT DESCRIPTION

MESG Primer Sealer is a two-component pigmented Primer formulated to go under MESG Metallic Epoxy and produce extreme adhesion and a pigmented substrate to minimize undesired colors from ghosting through the Metallic Epoxy.

THE MESG DIFFERENCE

All Products in our system are industrial/commercial grade, and with proper installation and maintenance, you will achieve higher longevity than the substrate/surface you are working on. We have completely revolutionized and streamlined the entire installation and ordering process(s) with the most comprehensive instructional videos on the market and an online system that builds your order based on your application's square footage.

COLOR(S)

Comes in black and white.

MAINTENANCE

Please refer to our website for aftercare methods.

TYPICAL USES

MESG Primer Sealer is designed to be used on substrates/surfaces, including but not limited to; concrete floors/counters, wood floors/counters, laminate/Formica, stone/engineered stone, and tile.

PACKAGING

- 1.2kg Kit. Part A: 0.8kg, Part B: 0.4kg
- 5.4kg Kit. Part A: 3.6kg, Part B: 1.8kg

INSPECTION / PREPARATION

INSPECTION

The surface must be structurally sound, dry and free of oil, grease, curing agents, dirt, dust, or other foreign material that may prevent proper adhesion. The surface must be porous or rough enough to allow the product to soak in and bond properly.

PREPARATION

Prepare the surface by scrubbing, sanding, grinding, water blasting, sandblasting, or shot blasting to achieve a clean, porous, uniform surface, allowing the product to soak in and bond permanently.

APPLICATION

Mix and measure out Part A & B at the 2:1 Ratio. When you are ready to begin the application, add Part B to Part A and mix with a drill and paddle for 2-3 minutes before applying it to your section.

Note: Have your project area split into sections and only mix them in batches where you can complete a batch within 30 minutes.

APPLYING PRODUCT

For best results, refer to our tutorial videos and installation guidelines prior to application.

COVERAGE

Non-Porous Surfaces: 8m²/kg
Concrete & Other Porous Surfaces: 5m²/kg

Please refer to our calculator listed on our website for a more accurate reading of the amount of products you require for your project.

DRY TIME

You can apply epoxy over the primer within 45 minutes to 2 hours, but no later than 2 hours. All times are based on the average temperature of 70°F (21°C) and 50% humidity. Hotter temperatures will increase drying time.

CLEAN UP

Uncured material should be removed with soap and warm water. Cured material should be removed mechanically or with an environmentally-safe solvent.

LIMITATIONS

- Be sure to do adequate surface preparation.
- Be sure to measure and mix properly.
- Do not apply in temperatures below 55°F (12°C) or above 85°F (29°C). Hot or cold weather will affect cure times.
- Do not allow water to come into contact during the curing time of the primer sealer.
- Products must be properly stored if not being immediately used. Store above 50°F (10°C) and below 90°F (32°C), sealed, and unmixed.

DISCLAIMER

PRODUCT FAILURE DUE TO IMPROPER INSTALLATION OR DEVIATION FROM THE RECOMMENDED USES &/OR APPLICATIONS WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR/INSTALLER TO COVER THE PRODUCT COST AND LABOR.

IN THE CASE OF A PRODUCT DEFECT BEING THE REASON, A JOINT WARRANTY WOULD COME INTO EFFECT. IF THIS WERE TO TAKE PLACE, MESG PRODUCTS PTE LTD WOULD REPLACE THE PRODUCTS SOLD (NOT TOOLS & EQUIPMENT), AND THE CONTRACTOR OR INSTALLER WOULD COVER THE LABOR.

DATA

TECHNICAL DATA

Tack Free		70°F (21°C)		15 Minutes
Foot Traffic		70°F (21°C)		1.5 hours
Vehicle Traffic / Heavy Items		70°F (21°C)		12 hours
Pot Life		70°F (21°C)		30 Minutes
Heat Resistance (Constant)		150°F (65°C)		
Heat Resistance (Intermittent)		200°F (93°C)		
Adhesion Rating on Concrete*		5		
Adhesion Rating on Wood*		5		
Adhesion Rating on Steel*		5		
Adhesion Rating on Natural Stone*		5		
Adhesion Rating on Synthetic Stone*		5		
Hardness Shore D (ASTM D2240)		79		
Pencil Hardness		2H		
1/4 in mandrel bend		180°		
Reducer / Clean Up		Warm Soapy Water		

Key:

* Based on properly prepped surfaces.

Ratings are based on a 1-5 numbering system, 5 being the best.

PHYSICAL PROPERTIES

Chemical Composition		Waterborne Solid Epoxy Resin Dispersion
Gloss @60 Degree		39
Solids %/wt (mix)		60.0
Solids %/vol (mix)		49.0
Viscosity cPs (mix)		400
Viscosity KU (mix)		63
VOC gm/l (mix)		5.4
Shelf Life		1 year
Color (gardner)		NA

CHEMICAL RESISTANCE

Muriatic Acid (31.5% HCL)		2
Sulfuric Acid (50% H2SO4)		4
Sulfuric Acid (93% H2SO4)		1
Nitric Acid (10% HNO3)		2
Sodium Hydroxide (50% NaOH)		5
Bleach (Sodium Hypochlorite)		5
Transmission Fluid / Gasoline		5
Blood & Body Fluids		5
Mustard		5s
Ketchup		5
Red Wine		5
Acetone		4
Ethanol		5
Methanol		5
Thinner / Turpentine		2

Key: Contact time > 5 hours

5 = Best (no effect)

4 = Softens (recovers)

3 = Softens (no recovery)

2 = Blistered (no recovery)

1 = Worst (destroyed)

S = With Stain