SELF LEVELING COMPOUND

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

MESG Self Leveling Compound is a high-strength, tensile, epoxy-based pigmented product. It's formulated for extended working times and self-levelling flowability. This product's primary purpose is to level uneven surfaces, which is crucial for the proper agitation and crafting of the Metallic Epoxy Layer. The second purpose is to add strength to the overall Metallic Epoxy system for durability.

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.

TYPICAL USES

MESG Self Leveling Compound is designed to level and strengthen existing substrates/surfaces, including but not limited to; concrete floors/counters, wood floors/counters, laminate/Formica, stone/engineered stone, and tile.

COLOR(S)

Comes in black and white

PACKAGING

- 5.4kg Kit. Part A: 3.6kg, Part B: 1.8kg
- 12kg Kit. Part A: 8kg, Part B: 4kg
- 24kg Kit. Part A: 16kg, Part B: 8kg

MAINTENANCE

Please refer to our website for aftercare methods.

INSPECTION / PREPARATION

INSPECTION

The substrate must be structurally sound or secured appropriately before application and must be an applicable surface that our system has been tested on.

PREPARATION

The preparation steps for your application will vary depending on the type of substrate that you will be working on.
Don't hesitate to contact support@mesgshop.com
if you are unsure how to prep your substrate properly.

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 pouring it out for your section.

(DO NOT UNDER ANY CIRCUMSTANCES LEAVE MIXED PRODUCT IN A BUCKET OR MASS. THIS WILL CAUSE A FASTER CHEMICAL REACTION, AND THE SELF LEVELING COMPOUND WILL HEAT UP AND BECOME TOO THICK TO USE. REFER TO THE POT LIFE AND WORKING TIME BELOW IN THE TECHNICAL DATA.)

APPLYING PRODUCT

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

COVERAGE

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

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DRY TIME

After completing the Self Leveling Compound step, you will wait until the next day to apply your Metallic Epoxy, but within 24 hours. If you wait for more than 48hrs to do so, you will need to lightly sand the surface with 240-grit sandpaper and clean it before applying.

These time frames are based on applications done in a controlled environment between 70°F (21°C) and 77°F (25°C) Temperatures can affect working, dry, and cure time due to environmental changes and/or other unforeseen circumstances. Please see the Limitations below.

CLEAN UP

You can use rags with denatured alcohol or acetone to clean reusable tools while the product is still fluid. Anything the Self Leveling Compound has cured onto may need to be thrown away, or you risk having debris in your epoxy the next time you use them to mix.

THINNING

We highly discourage thinning of our epoxy as it hasn't been exhaustively tested with thinning agents. Thin at your own risk.

CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the system's color, gloss, texture, and performance. As a precaution, we recommend that the end-user test their cleaning and disinfecting compounds on a sample or a small, out-of-the-way finished area, utilizing the intended cleaning technique before cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

LIMITATIONS

- This product works in conjunction with our complete Metallic Epoxy System & has been designed for use by professionals and DIY'ers alike.
- Make sure to measure each product before mixing, and do not leave any mixed product in the bucket.
- Before application, the surface must be properly prepped, and any necessary repairs must be done to the substrate.
- Do not apply in temperatures below 55°F (12°C) or above 85°F (29°C). Hot or cold weather will affect cure times.
- Application must cure for at least 24 hours before resuming light foot traffic and coming into contact with water.
- For interior use only. If you are looking for an exterior application, contact us at support@mesgshop.com.
- 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.

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DATA

TECHNICAL DATA

Tack Free	70°F (21°C)	6 hours
Foot Traffic	70°F (21°C)	12 hours
Vehicle Traffic / Heavy Items	70°F (21°C)	24 hours
Pot Life	70°F (21°C)	10 Minutes
Working Time	70°F (21°C)	45 - 60 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	
Tensile Strength	7,500 Psi	
Comprehensive Strength	200,000 Psi	
Flexural Strength	10,000 Psi	
Tensile Modulus	320,000 Psi	
Flexural Modulus	130,000 Psi	
Compressive Modulus	300,000 Psi	
Impact Resistance D/R**	14/1 Lbs	
Hardness Shore D	90	
Pencil Hardness	2H	

Key:

* Based on properly prepped surfaces.

** D/R – Direct Reverse

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

PHYSICAL PROPERTIES

Chemical Composition	Crosslinked Product of Part A & Part B
Gloss @60 Degree	102
Solids %/wt (mix)	100
Solids %/vol (mix)	100
Viscosity cPs (mix)	332
Viscosity KU (mix)	73
VOC gm/l (mix)	1.4
Shelf Life	1 year
Color (gardner)	NA

CHEMICAL RESISTANCE

Muriatic Acid (31.5% HCL)	5
Sulfuric Acid (50% H2SO4)	5
Sulfuric Acid (93% H2SO4)	3s
Nitric Acid (10% HNO3)	5
Sodium Hydroxide (50% NaOH)	5
Bleach (Sodium Hypochlorite)	5
Transmission Fluid / Gasoline	5
Blood & Body Fluids	5
Mustard	5
Ketchup	5
Red Wine	5
Acetone	4
Ethanol	5
Methanol	5
Thinner / Turpentine	5

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