



## TECHNICAL DATA SHEET (TDS)

### ELIOGARD GLOSSY FINISH VH85G ACIDPROOF – ACID RESISTANT COATING FOR GLOSSY FINISH

#### 1. PROPERTIES

**ELIOGARD GLOSSY FINISH - VH85G** is a solvent-based protective coating system designed specifically for glossy natural stone surfaces. It protects countertops and other surfaces made from acid sensitive materials and provides resistance against lemon, acidic soft drinks, lime, oil, hydrochloric acids and similar acid types on surfaces. It is ideal for use in the home, hotel and restaurant industry.

- 100% resistance to acids.
- Prevents acid corrosion and permanent / scarring stains
- Long-term protection with 3-year warranty
- Hygienic and clean
- Lead free (SGS approved)
- One-time application
- It is insensitive to UV rays and does not yellow.
- Applied with a paint gun.
- It is resistant to heat.
- Suitable for indoor and outdoor use.
- It forms a micron-thick film layer.

#### 2. APPLICATION AREAS

It is used on surfaces that are sensitive to acids, such as marble, sandstone, limestone, limestone, basalt, polished concrete, concrete and tile mosaic. It is suitable for all indoor and outdoor use. Ideal for kitchens, bathrooms, bar counters and islands, coffee tables and table surfaces of all hotel, residential and commercial projects.

#### 3. INSTRUCTIONS FOR USE

**Note:**

ELKAY ELIOGARD must be applied **exclusively by certified professionals** trained and approved by Elkay. Improper application may compromise performance and warranty coverage.

#### Surface Preparation



- Always protect adjacent surfaces to prevent drips or accidental contact with the coating.
- Ensure proper ventilation when applying indoors.
- For outdoor applications, ambient temperature must be between 5–40°C. Avoid application if rain is expected within 5 hours following the estimated completion time.
- For previously polished or coated surfaces, sand the surface using 400–600 and 800 grit sandpaper to remove dirt, dust, polish, waxes, or any existing coatings.
- Thoroughly clean the stone with acetone and remove all dust before application.
- Do not wear perfume, cologne, or use any silicone-based products during the application process.
- Fill any holes or pores on the stone surface with a suitable filler to avoid bubbles forming in the coating.

## Application Steps

### 1. Primer Application

Apply ELIOGARD PRIMER in a thin, even layer using a paintbrush, cotton foam roller, or paint spray gun/air gun.

Allow the primer to cure for 8–12 hours.

### 2. Surface Smoothing

Lightly sand the primed surface with 1200 and 1500 grit micro sandpaper, either manually or with a sanding machine. Ensure all dust is removed and the surface is clean.

### 3. Mixing the Product

- a. Mix ELIOGARD A (main material) and ELIOGARD B (hardener) in a clean measuring cup at a 2:1 ratio (e.g., 100 ml A to 50 ml B).
- b. Gradually add THINNER to adjust viscosity. Typically, the thinner volume is about 50% of the combined A+B volume.
- c. To prevent surface roughness or pinholes, add 0.5–1% anti-silicone additive to the A+B+thinner mixture.

### 4. Product Application

Apply the final mixture in two layers, allowing each layer to self-level on the surface. After applying the second layer, allow the product to cure for 24 hours.

### 5. Post-Curing Surface Finishing

If surface dusting or texture irregularities occur during drying, polish using 2000 or 3000 grit SILK sandpaper, starting from 1200 or 1500 grit, depending on surface condition. Perform sanding by hand or with a **vibrating sander**, using water to keep the surface moist throughout the process.

### 6. Final Polishing for Gloss

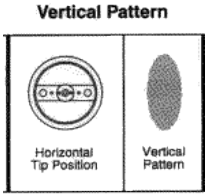
Use ELIOGARD PASTE SERIES 1-2-3 for final surface polishing:

- a. Start with PASTE 1 and a small amount of water.

- b. Use a speed-adjustable grinding motor, beginning at the lowest speed and gradually increasing.
- c. Continue with PASTE 2, then finish with PASTE 3 for optimal gloss and smoothness.

### **Spraying:**

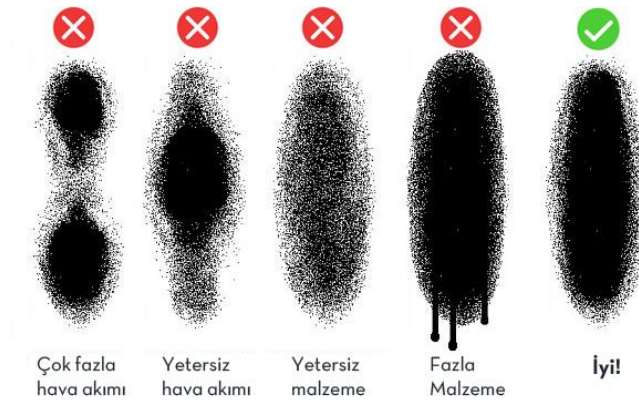
1. Use a spray gun or air spray (HVLP) to spray. Apply with 1.4mm nozzle diameter and 2.5 bar application pressure.
2. Check that there is sufficient air pressure in the compressor. Dispose with a minimum of 20 Liters.
3. For best performance, it is recommended to use a 200 Liter air compressor.
4. Make the necessary adjustments according to the table below:



Gun	Nozzle Diameter (mm)	Application pressure	Range setting	Quantity setting	Air intake with regulator	tile position	Application pattern
HVLP top chamber	1,2-1,4 mm	2,5 Bar max ( in the air cap )	Max	Medium	Max	Horizontal	extended vertical

*\*Devillbis GTi HD Gravity cup pf.no. It is recommended to use GFC-501.*

5. Before you start spraying, test the spray pattern on a separate area (cardboard, wall, piece of wood, etc.).
6. Check the surface of the stone to be sprayed with a spirit level and make sure that the stone is placed on a flat / unsloping ground.



7. Check that the pattern is extended 6" to 8", the middle of the pattern is 1 1/2" wide, and that there is sufficient fluid flow to cover it.

8. When the spray pattern test is successful, spray a thin coat onto the surface.
9. Spray first from “left to right”, then from “top to bottom”.
10. Cast so that there are no gaps on the surface.
11. Apply 2 single wet coats. Apply the first layer very thinly. Wait 5 to 10 minutes between coats. Apply the first coat thinly and apply the 2nd coat after 5-10 minutes.
12. After application, wait for the product to spread on the surface.
13. Since it varies depending on the structure and absorbency of the stone surfaces, you can increase the number of pulses. If the material shrinks or opens on the surface, apply one more coat.



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14. After applying all the layers, the drying process takes between 6-24 hours. Full cure is 24 hours.
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#### 4. USE AMOUNT

Covering area is 2-4 m<sup>2</sup>/Lt.

Coverage area varies depending on surface porosity, texture and application method.

#### 5. TOOLS REQUIRED FOR APPLICATION

- Compressor, top/bottom chamber spray gun or air spray gun, air sander (depending on the application location, a vacuum sander is recommended to avoid scattering dust).
- 400-600-800-1200-1500-2000-3000 silk sandpaper.
- Clean measuring cup, roll pan, cardboard, wax cloth, acetone.
- No. 1, no. 2 and no. 3 polishing polishing pad.
- Personal protective apron, protective glasses and gas mask.
- The recommended application method is spraying.
- Before the product dries, wash it with acetone immediately after application. Acetone will not remove the coating when it dries.

#### 6. PACKAGING INFORMATION

PRODUCT CODE	WEIGHT	PIECES IN BOX
VH85G	1 LT Primer + 1 Lt A + 0,5 Lt B +1L Thinner + 0,5LT Antisilicone	4 SETS

#### 7. STORAGE AND SHELF LIFE



It should be stored in places not exceeding 20°C, away from direct sunlight. If the lids are not opened under appropriate storage conditions; The shelf life of component A is 18 months, component B (hardener) is 12 months. Dispose of contents/container according to national regulations.

## 8. WARRANTY PERIOD

- IN COUNTERTOP AND TABLE SIMILAR APPLICATIONS; The warranty period is **3 years**, depending on usage as explained in the technical bulletin.

### *Conditions excluded from the warranty:*

- In cases of sand and mechanical abrasion application,
  - In cleaning with abrasive cleaning tools such as wire brush, wire, synthetic wire and cif,
  - Direct contact of accessories and utensils such as hot tongs, pots and pans with the surface;
  - Painting the surface with any dyestuff;
  - Prolonged contact with solvent;
- cases are out of warranty.

## 9. MAINTENANCE AND PROTECTION

- For daily cleaning, wipe with a soft soapy cloth. It is recommended to clean it with glass cleaner and microfiber cloth. VH85 does not require additional polishing or protection.
- Do not clean with surface corrosive detergents such as CIF.
- Do not use abrasive cleaning tools and equipment such as Scotch-brite, aluminum or wire cleaning balls, brushes or sponges.
- Do not place hot kitchen utensils such as tongs, pots, teapots or pans directly on the surface.
- If the application is damaged, a professional licensed practitioner should be contacted.

## 10. WARNING

- Before application, test the effect of the material on an invisible part of the surface or on a similar product sample to get the desired result.
- For indoor applications, ensure that the application area is well ventilated.
- If the spraying method is to be used in a closed area, cover the area to be sprayed with a plastic tarp and prevent other areas from being damaged by flying spray dust. Make sure the place is well ventilated during use. Do not spray near flammable, flammable or combustible objects that spark and cause smoke or steam explosion.



- For outdoor applications, make sure that there is no possibility of rain for at least 5 hours after the application process is completed. Windy weather affects finish quality. Blowing wind disrupts the spray pattern of HVLP. It may cause the surface to be damaged by flying dust. Take necessary precautions against natural factors.
- If the product spills on the surface during application, it should be wiped off immediately before it is absorbed.
- Mixed A and B products should be consumed immediately and should not be stored on the shelf.

#### 11. SAFETY INFORMATION:

- Keep out of reach of children.
- Keep away from heat/sparks/flames/hot surfaces. -No smoking.
- Keep container tightly closed.
- Use only non-flammable tools.
- Take preventive measures against static discharge.
- Avoid breathing dust/fume/gas/mist/vapor/spray.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF ON SKIN (or hair): Immediately remove/take off all contaminated clothing. Rinse your skin with water/shower.
- If skin irritation occurs: Get medical advice/attention.
- In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinguishing.
- IF SWALLOWED: Call the NATIONAL POISON CONTROL CENTER AT 114 or the doctor/physician.
- IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing.
- If exposed or interacted: Get medical advice/attention.
- Store in a well-ventilated area.

#### 12. TECHNICAL SPECIFICATIONS

	A COMPONENT	B COMPONENT
Appearance:	Transparent viscous liquid	Transparent viscous liquid
Smell:	Characteristic	Characteristic
Type:	solvent based	solvent based
Viscosity	17-19 " DIN 4	
Ph:	5.5	



Drying Time:	4 – 5 hours ( $\mu$ ) thickness at 20° C and may vary at ambient temperature.
Finish:	Glossy