

Technical Data Sheet



Eclectic Products LLC
Manufacturing Facility
101 Dixie Mae Drive
Pineville, Louisiana
eclecticproducts.com
800.349.4667

ISO 9001:2008
Compliant
Quality Management
Systems

Administration Office
Eugene, Oregon
eclecticproducts.com
800.693.4667

UNITED STATES



Pint Kit
Quart Kit
Gallon Kit

Not all styles/sizes/colors available in all areas.

FAMOWOOD® GLAZE COAT®

USA CANADA EUROPE AU/NZ

HIGH BUILD EPOXY COATING

PRODUCT DESCRIPTION

FAMOWOOD GLAZE COAT HIGH BUILD EPOXY COATING is an ultra-clear, high gloss finish epoxy versatile enough to be used on just about any surface, either smooth or rough, stained or painted. This easy-to-use, 1:1 ratio is ideal for household and craft projects - just one pour equals 70 coats of varnish.

WHERE TO USE / APPLICATIONS

This ultra-clear, high gloss finishing epoxy is ideal for home improvement and craft projects.

- coat tables, clocks, game boards and furniture
- imbed coins, rocks, sea shells, flowers or any non-waxy material
- preserve pictures, photographs, posters, signs and ceramics

FEATURES AND BENEFITS

HIGH BUILD EPOXY – just one pour equals 70 coats of varnish

EASY TO USE – Easy 1:1 mixing ratio (by volume)

VERSATILE – may be used on any non-waxy material

SELF-LEVELING – minimal spreading and maintenance required

PHYSICAL PROPERTIES

Natural color:	Clear
Tensile strength:	450 psi
Tear strength:	200 psi
Shear strength:	200 psi
Compressive strength:	800 psi
Compressive strain:	75%
Elongation:	15%
Shore hardness:	85D
Solids content:	100%
Non-volatile content:	97%
Mixing ratio:	1 to 1 by volume
Pot life (working time):	30 minutes @ 70 °F / 21 °C
Tack free time:	12 hours @ 70 °F / 21 °C
Cure time:	72 hours (depending on temperature)
Weight/gallon:	Part A (Resin): 9.63 / Part B (Hardener): 7.93 @ 77 °F / 25 °C (ASTM D-1475)
Application temperature:	70 to 80 °F (21 – 27 °C)
Service temperature:	10 to 120 °F (-12 to 49 °C)
Storage temperature:	Do not store above 95 °F (35 °C); if materials are hot bring them to room temperature (77 °F / 25 °C) before mixing.
Food Grade:	Yes. Cured Glaze Coat provides a surface that is safe adjacent to serving or eating food. However, food should not be prepared or served with direct contact.
Shelf life:	2 years (unopened - in package)

Coverage (Based on 1/16" thickness)

Pint (0.47 L) Kit	4.5 sq ft (0.42 m ²)
Quart (0.94 L) Kit	9.0 sq ft (0.84 m ²)
Gallon (3.78 L) Kit	36.0 sq ft (3.34 m ²)

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HIGH BUILD EPOXY COATING

CANADA



0.94 L kit
3.78 L kit

Not all styles/sizes/colors available in all areas.

AUSTRALIA/NZ



0.47 L kit
0.94 L kit
3.78 L kit

Not all styles/sizes/colors available in all areas.

DIRECTIONS and APPLICATION NOTES

SURFACE PREPARATION

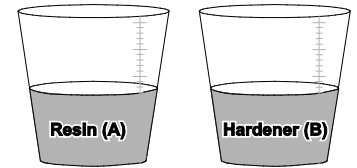
Most applications require two coats for a deep, beautiful finish. More than two coats can be applied for obtaining a deeper finish. Surface must be level, dry and free from oil, dust and wax. Wipe surface with alcohol or acetone between coats. If the surface has been treated with any solvent-based liquids such as varnish or stain, test a separate area first to ensure compatibility with Glaze Coat. To coat over polyurethane or acrylic finishes, lightly sand the surface and wipe with acetone or alcohol before using Glaze Coat. To catch drips, cover surrounding area with waxed paper, newspaper or drop cloth. Allow drips to flow freely off the sides by elevating area to be coated.

SEAL COATS: For porous surfaces a sealer coat is recommended. Certain woods with open grains such as oak and walnut will allow air to escape causing bubbles. Porous fabrics or papers should follow these steps as well. These applications require a thin coat of Glaze Coat prior to the full flood coating. See Step 7 for reapplication and cure times. Mix about ¼ the amount normally used for a full flood coat and spread it thinly over entire surface. This will seal air passages. Allow to cure approximately 4-5 hours at 70 °F before applying second flood coat.

DRIPS: Before pouring, protect the sides and edges of the surface area of item being coated with several layers of masking tape. After Glaze Coat has stopped self-leveling, remove the tape before curing is complete and any drips along with it. Otherwise, drips may be scraped with a putty knife about 30-40 minutes after pouring, or they may be sanded or trimmed off with a sharp knife or razor blade after completely curing.

Step 1: Measure

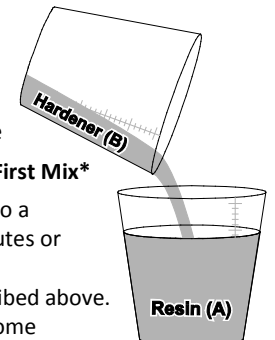
Pour equal parts each of resin and hardener into separate clean, unwaxed disposable paper or plastic cups or tubs. Mix **MUST** be a one-to-one ratio (by volume), meaning equal parts resin and hardener. If possible, use a calibrated container.



Measure*

Step 2: Mix

First mix: Pour the carefully measured Hardener (Side B) into the container with measured Resin (Side A) and thoroughly mix for six minutes. Mix with a stir stick using gentle, steady revolutions. With proper mixing, some air bubbles occur naturally and can be removed after the pour (see Step 5). It is very important to scrape all sides and the bottom of the container with your stirring stick as you mix.



First Mix*

Second mix: Pour the Resin and Hardener mixture from first mix into a clean mixing container and thoroughly mix for an additional six minutes or until temperature reaches 90 °F (C).

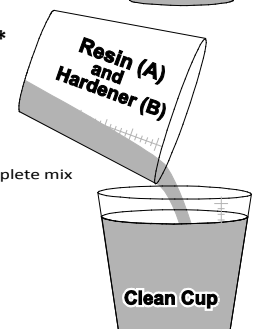
* It is **EXTREMELY IMPORTANT** to follow Step 1 and Step 2 as described above. DO NOT allow mixture to sit (or it will harden), overheat and become hot to the touch.

Mixing Time

1 st Cup – Hardener into Resin	6 minutes
2 nd Cup – Resin & Hardener into new clean container	6 minutes (or until mixed product equals 90° F)
When the resin and hardener are first poured together, the initial mixture appears hazy.	

Second Mix*

This step is very **IMPORTANT** to ensure a complete mix



NOTE: If temperature is above 70 °F, working time decreases,

Step 3: Pour

Pour Glaze Coat IMMEDIATELY onto the center of the surface to be covered. Do not allow it to “sit”. You have about 15-20 minutes working time after Glaze Coat is completely mixed before product begins to harden. Glaze Coat is self-leveling. Spread the mixture over the area with a plastic spreader, plastic squeegee, notched trowel or brush. If coating a large surface such as tables, bar tops, etc., a notched squeegee or trowel works well. Pour mixture on surface and spread evenly using a combing action in one direction over entire surface. Do not persist in re-spreading the mixture as it sets up, otherwise it will not self-level during the curing action.

Do not pour more than 1/8” thick in an application. Mix only as much as you can pour and spread at one time.

Step 4: Surface Bubbles

At initial pour, air bubbles created during the mixing process will usually rise to the surface by themselves and disappear. Surface bubbles MUST be removed when surface is still wet, not once surface begins the curing process or else bubbles will turn into dimples once fully cured.

Use a small, handheld propane torch, butane torch or heat gun to remove bubbles from Glaze Coat. Keep flame 6 to 8 inches above surface and use a slow, sweeping motion. Move torch over freshly poured Glaze Coat several times until surface is bubble free. Be sure to use a waving action so the surface is only slightly warmed, allowing remaining air bubbles to disappear. Do not hold flame in one area.

Step 5: Cover Project

Keep dust away for approximately eight hours after pouring. This can be accomplished by having a dust cover ready to use after pour to prevent debris from falling on project. If a second coat is required, cover project and allow to cure approximately 4-5 hours at 70 °F before applying second coat.

Step 6: Curing

To achieve best results, apply at temperatures between 70 and 80 °F. Both Glaze Coat and the item to be coated should be approximately the same temperature.

NOTE: These curing times are to be used as guidelines only. Warmer temperatures will yield faster cure times. Allow fresh pours to cure in a warm room (at least 70 °F). If applying in an area where dust or other particles are present, temporary cover or protection may be desired.

ROOM TEMP	DUST-FREE	PERIOD BETWEEN EACH ADDITIONAL COAT	FULL CURE
70 °F	8 hours	1 – 2 coats (4 - 5 hours) 3+ coats (24 hours. Not longer than 48 hours.)	72 hours

Step 7: Cleanup

Use acetone or alcohol for tool and work area cleanup. Glaze Coat can only be cleaned while it is still in a liquid state. After it has cured, paint remover, heat gun or sanding is required.

CAUTION: Always use plenty of soap and water to wash skin.

TECHNICAL SUPPORT:

For technical support, contact our Technical Service Department by e-mail, phone or visit famowood.com.

E-mail: info@eclecticproducts.com.

Technical Services Phone: 800-767-4667 (Monday through Friday)

FOLLOW UP:

- **Surface Care** – Once Glaze Coat is thoroughly cured, any wax or polish may be applied to restore fresh, new luster and help hide minor blemishes. Test small area. If surface is marred (deep scratches, cigarette burns, etc.), lightly sand entire surface ensuring all discoloration is removed. Wipe clean with a dry cloth or cloth with a small amount of alcohol or acetone. Do not use a tack cloth, as it will leave a film. After surface is ready, re-coat with Glaze Coat. Glaze Coat is recommended for interior use only and should not be used on hot surfaces such as ash trays or cookware. Do not use bleach to clean surface.
- **Heat Resistance** – A surface temperature of 120 °F can be applied without any problems. Otherwise, distortion may occur. Always use a coaster or hot pad on surfaces with Glaze Coat. Never use Glaze Coat to line ashtrays or cookware.
- **Glaze Coat is pliable.** It may dent if something is left on it for an extended period. Once the item is removed, the dent will gradually disappear.
- **Product Storage** – Glaze Coat should not be allowed to freeze. Be sure to bring Glaze Coat up to room temperature prior to using. The shelf life is about two years (unopened - in package). Store in a dark, cool place.

SUGGESTIONS:

- **Embedding Items** – Pictures, fabric, coins, shells... almost anything can be encased in Glaze Coat. You can attach the item with a good grade white glue, making certain the entire surface is covered to ensure it will not try to float. You can also embed on the initial sealer coat. While the surface is still tacky, position the item and push it into place, making sure it is not going to move. After it has cured, a second coat can be applied to smooth the entire surface. Another method for photographs is to first laminate the photograph before attaching to surface.
Please note: When embedding items that are important to you, make a copy and use that. Very old pictures or newspaper articles can be damaged. Not recommended for applications on cardboard.
- **Creating a Satin Finish** – To remove some of the gloss from your surface area after the Glaze Coat has completely cured, lightly sand the surface with 0000 steel wool or #600 sandpaper. Clean the surface and then apply a mixture of oil (linseed or polishing) and a carnauba-based wax. Allow to dry, rub clean, and then buff again with a carnauba-based wax.

IMPORTANT APPLICATION FACTS TO KNOW BEFORE USING FAMOWOOD GLAZE COAT:

- **INADEQUATE MIXING IS THE MOST COMMON REASON FOR IMPERFECT RESULTS. READ COMPLETE INSTRUCTIONS BEFORE BEGINNING PROJECT**
 - It is recommended that you become familiar with Glaze Coat by doing a small project first.
 - Glaze Coat is recommended for **INDOOR** use only.
 - **NOT RECOMMENDED** for projects that will be placed in direct sunlight for extended time periods.
 - Be sure to bring Glaze Coat® up to room temperature prior to using. Bubbles are more likely to occur when product and/or room is cold (under 70 °F).
 - Follow measuring and mixing instructions carefully. Product will not cure properly and will be soft or sticky if directions are not followed precisely. Two mixing steps are required.
 - Keep dust away for approximately eight hours after coating. This can be accomplished by having a dust cover ready to use after pour to prevent debris from falling on project.
- Note: If the contents in either container appear thick or solid, place containers in hot tap water until contents return to a normal, liquid state. Allow to cool to room temperature before mixing. Glaze Coat is **NOT RECOMMENDED** for floors because it is not designed for high impact applications and does not contain abrasion-resistant properties.

REQUIRED TOOLS:

- Three or more unwaxed paper or plastic cups or buckets with clearly marked volume measurements with clean, smooth walls and bottom
- Straight edge stir sticks or paint paddles
- Plastic spreader, squeegee or notched trowel
- Disposable foam or paint brush for coating edges
- Flat, clean dust cover
- Waxed paper, newspaper or plastic drop cloth
- Latex, vinyl or chemical-resistant neoprene gloves
- Protective clothing optional (in case of incidental drips on clothing)
- Masking tape
- Carpenter's level
- Eye protection strongly recommended
- Infrared or disposable thermometer (optional)
- Heat gun, butane torch or propane torch for eliminating bubbles

LARGE AREA APPLICATIONS:

To create better results, the following steps must be taken before applying Glaze Coat to large surface areas.

- It is recommended to have a helper to speed up the mixing and application process for large areas.
- Optimal time to pour is when mix reaches 90 °F (32 °C). An infrared or disposal thermometer can be used to measure temperature.
- If the surface has previously been used and oils, waxes or acids from citrus could be present, it is recommended to strip the finish to bare wood. After Glaze Coat has been applied, these foreign substances can migrate to the surface. This would cause the bond to break down and rippling to occur.
- Large surface area applications require mixing in large batches and should only be applied by a professional who has more in-depth knowledge and prior experience.

As stated before, surface preparation is important. Please read Surface Preparation prior to beginning your project. After the sealer coat has been applied and has had at least 4-5 hours to set up, you can apply subsequent layers of Glaze Coat. The major difference between small and large applications is knowing how much to cover in one pouring. Determine how much you are going to mix at one time and how large an area it will cover. Remember, one quart covers about 9 square feet, 1/16" thick. Unless highly experienced with Glaze Coat, do not attempt to mix more than one gallon at a time. Mix, pour and spread. Immediately start a new batch. Pour the next section, allowing the sections to flow into each other. Do not put layers on top of each other while they are still wet. This will produce uneven curing of the layers and cause ripples or "alligatoring" on the surface.

- See Steps 4, 5 and 6 regarding surface bubbles, curing, and cleanup.

HEALTH and SAFETY

This product contains epoxy resin, nonyl phenol and allyl diamine resin. Before working with this product, read and become familiar with information concerning hazards, proper use and handling. SDS's are available online at the following links:

USA-

English: <http://eclecticproducts.com/downloads/sds-famowood-glaze-coat-english.pdf>

Spanish: <http://eclecticproducts.com/downloads/sds-famowood-glaze-coat-usspanish.pdf>

Canada-

English: <http://eclecticproducts.com/downloads/sds-famowood-glaze-coat-uscanada.pdf>

French: <http://eclecticproducts.com/downloads/sds-famowood-glaze-coat-frenchcanada.pdf>

Australia/New Zealand-

English (Request SDS): sds@eclecticproducts.com

To request a hard copy of the SDS, please send an e-mail to sds@eclecticproducts.com.

LIMITED WARRANTY

The product is warranted against any defect in materials or workmanship under normal use for a period of 180 days after the date of purchase. The product is also warranted under any implied warranties provided under applicable state law, including, without limitation, the implied warranty of merchantability and the implied warranty of fitness for a particular purpose, for a period of 180 days after the date of purchase. This warranty covers only the original buyer of the product. For warranty service, the buyer should contact the store where the product was purchased, or write Eclectic Products, Inc., P.O. Box 4450, Pineville LA 71361 or call 800.767.4667. This warranty gives you specific legal rights, and you also have other rights, which vary from state to state.