

**ALWAYS READ THIS GUIDE
PRIOR TO USING GLASS FINISH**

FEAST **W**ATSON™

Glass Finish Usage Guide



FOR A BEAUTIFUL FINISH.

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GLASS FINISH KIT INCLUDES



Feast Watson
Glass Finish
RESIN
(Part A)



Feast Watson
Glass Finish
HARDENER
(Part B)



Stirrer



Usage Guide

SAFETY

Keep out of reach of children.

Do not breathe vapour. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/ face protection. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident or if you feel unwell, seek medical advice immediately. Avoid release to the environment.

Refer to the Glass Finish Safety Data Sheet, or contact Feast Watson Customer Service on AUST 1800 252 502, NZ 0800 222 687 for further information.

For Emergencies call AUST 1800 033 111, NZ 0800 734 607.

COVERAGE

Coverage will depend on the surface being treated and application method used.

As a rule of thumb 1200ml of mixed RESIN and HARDENER will cover 1m².

Glass Finish will form a film approximately 1.2 mm thick. A single coat is equivalent to 60 coats of ordinary varnish. One coat will usually be sufficient, but multiple coats may be applied if desired.

Product	Containing	Coverage*
Glass Finish 1m ² Kit	750ml RESIN & 500ml [†] HARDENER	1 m ²
Glass Finish 0.5m ² Kit	375ml RESIN & 250ml [†] HARDENER	0.5 m ²

Note: Assumes that the entire contents of the RESIN and HARDENER bottle has been used in a single application. For instructions on how to measure and combine Glass Finish RESIN and HARDENER to match your projects coverage requirements, see "How to measure out Glass Finish" on page 7.

*This product is underfilled (500ml bottle = 453.8ML solution; 250ml bottle = 226.9ml solution)

BEFORE COMMENCING

You will need:

- Feast Watson Glass Finish RESIN (Part A)
- Feast Watson Glass Finish HARDENER (Part B)
- Feast Watson PROOFSEAL (or a suitable sealer)
- One or more disposable mixing containers (sufficient to contain total mixed volume)
- A broad flat stirrer (included in each kit)
- Masking tape
- A spreader or a disposable paint brush
- Aluminium foil, plastic sheeting or wax paper (to place underneath your work to catch any drips or spills)
- Suitable protective clothing, safety gloves, eye/face protection
- A propane/butane torch (for degassing)
- Epoxy Thinner (for clean up)

PREPARATION

Work Area:	<ul style="list-style-type: none">• Check the temperature levels in the workroom. For best results room temperature should be >20°C. It is best to work in an area that has low humidity (less than 60%)• Ensure that the area in which you work is as dust and lint free as possible• Clean surface to be coated. Ensure it is dry and free from dust, grease, wax and oil
Sealing:	<ul style="list-style-type: none">• For best results, seal surface before applying Glass Finish• Apply 2 coats of a suitable sealer, such as Feast Watson Proofseal, as per label instructions. Do not sand between coats or after sealing• Allow surface to dry fully, then fill knots and cracks with an appropriate filler. (For best results, use a dark filler as this will look more natural)• Be careful not to touch the sealed surfaces with your fingers, as oil from your skin may contaminate the surface
General:	<ul style="list-style-type: none">• Use tape to mask off (cover) areas of the project you do not wish to coat• Elevate the surface to be coated (if necessary) from the work area about 5cm to allow the coating to drip freely from the sides• Place aluminium foil, plastic sheeting or wax paper underneath the item to catch drips <p>Note: Once Glass Finish sets, it is difficult to remove. Use Epoxy Thinners to clean up any drips/spills immediately.</p>

APPLICATION

STEP 1: COMBINE

Measure the surface to be coated to determine your coverage needs.

IF YOUR PROJECT REQUIRES:

Full coverage amount of the Kit purchased (1m² or 0.5m²):

- In the same clean container combine the entire contents of the Glass Finish RESIN (Part A) and Glass Finish HARDENER (Part B) bottles provided

Less coverage than that provided by this kit (i.e. less than 0.5m² or 1m²), or you wish to practice application on a spare piece of wood before commencing your project:

- Make up a smaller amount of Glass Finish (see 'How To Measure' below) and retain each component in its original, separate containers
- Do not combine entire contents of Glass Finish RESIN (Part A) and Glass Finish HARDENER (Part B), as once mixed, left over contents will become hot, set rapidly, and will not be suitable for future use

Larger quantities of Glass Finish:

- Purchase additional kits and apply in batches as described below



HOW TO MEASURE OUT GLASS FINISH

Caution: Inaccurate measuring will result in an inferior result. The product will not cure properly or final finish will be soft and sticky.

- Determine surface area of item to be coated
- Calculate Glass Finish volume required at a 5:3 Ratio of RESIN to HARDENER (Note: On average, one coat of 1200ml of mixed solution will cover 1m² at a coating thickness of 1.2mm)
- Pour the required amount of Part A (RESIN) into a measuring vessel. For greater accuracy, we recommend using a disposable plastic measuring cup or scales

- Pour the required amount of Part B (HARDENER) into the same measuring vessel

- Mix your measured volume of Part A (RESIN) and Part B (HARDENER) as per the "Mixing Instructions" below

Note: Adding extra HARDENER will NOT make the surface harder. It is important to make sure that the material is mixed as close to the 5:3 ratio as possible. Too much RESIN or too much HARDENER will cause the final film to be soft.

Quick Measuring Guide

M ²	RESIN	HARDENER	
1.0	750	454	Whole bottle each
0.9	675	410	
0.8	600	360	
0.7	525	320	
0.6	450	270	
0.5	375	227	Whole bottle each
0.4	300	180	
0.3	225	140	
0.2	150	90	
0.1	75	45	

STEP 2: MIX

Caution: Product will not cure properly or final finish will be soft if mixing directions are not followed.

- Mix thoroughly with a broad flat stirrer for several minutes, scraping down the sides and stirring slowly

Tip: Don't be deceived by the fact that both parts are clear. They need to be just as thoroughly blended together as if you were mixing two distinctly different colours. We suggest using a "double cup" method of mixing. Have two mixing containers ready. Begin mixing in the first clean mixing container. After one minute of mixing, transfer the Glass Finish Solution (combined RESIN and HARDENER liquid solution) into the second container and continue mixing for one minute. Mixing should be completed after two minutes of careful mixing.



STEP 3: POUR & SPREAD

Note: Glass Finish will self level. If the surface you want to coat is not flat and level, the Glass Finish may run off or spread unevenly.

- Pour Glass Finish over the surface to be coated as soon as it has been thoroughly mixed (see "Step 2: Mix"). You should aim to pour all the mixed Glass Finish in the first 5 minutes after mixing. If mixed product is left in mixing container it will become hot and set rapidly
- For best results, always pour a 'border' of Glass Finish (approximately 3cm from the outer edge of the area to be coated or the masked off area) and then fill in the area in the middle with a generous amount of Glass Finish
- Ensure that you flood coat the surface. Do not apply sparingly

• Glass Finish will self level. However, you may need to use a disposable brush or spreader to spread Glass Finish across the surface to the edge of your project

Note: If the surface you want to coat is not flat and level, the Glass Finish may run off or spread unevenly.

• For best results, tidy up edges immediately with a small brush. Vertical edges can be taped to stop Glass Finish from running down them. Lay the tape so that the edge is flush with the top of the surface to be coated. Glass Finish will flow to the edge and its surface tension will naturally create a rounded edge.



STEP 4: DE-GAS

- Bubbles will appear in the coating after the pour. Some of these will pop as Glass Finish is spread across surface
- Use a propane torch to fully remove air bubbles from the freshly coated surface. Sweep the area with the torch from 20 cm above surface until bubbles disappear. Use a low flame. Do not hold torch in one area for too long or hold too close to the surface as the flame may scorch the surface and ruin your project

Note: Bubbles are broken by **Carbon Dioxide**, not heat. **Do not** use a heater, hair dryer or device that blows hot air over the surface. Blowing through a drinking straw or gently exhaling at specific bubbles is less effective, and suitable only for very small projects.

- **Do not try to remove bubbles after 20 minutes. This will result in an uneven, dimpled finish**



STEP 5: LEAVE TO CURE

- The surface will be touch dry in approx. 12 hours
- **Do not** place objects on the project for at least 3 days
- If you have used masking tape around edges of project, remove this before the surface fully dries, but after Glass Finish ceases to flow down the sides of the project (approx. 5 hours). Removing the tape may lift the edge of the finish up, this is ok, the edge will flow back and still adhere to the substrate
- For best results, leave the product to cure for at least 24 hours in a dust free environment
- Full curing of this product is achieved after 7 days



SPECIAL INSTRUCTIONS FOR LARGE SURFACES

Some special precautions should be taken before applying Glass Finish to large surface areas such as worktops or fixed benches.

1. Practice Application On A Spare Piece Of Timber

'Get the feel' of applying Glass Finish by coating a small, spare piece of timber (see directions for how to measure up a small quantity of Glass Finish).

2. Always Seal The Surface

Timber contains natural oils and other extractives such as tannin. These extractives may leach out and dissolve in the coating causing a less than satisfactory finish. To prevent this it is good practice that wooden surfaces be sealed before applying Glass Finish. See "Preparation" for sealing directions.

3. Fill knots and cracks after sealing, with an appropriate filler. For best results use a dark filler as this will look more natural.

4. Measure Carefully

Work out how much Glass Finish you need to cover your entire project. Have all required Glass Finish on hand and mixed thoroughly before commencing pouring. Once you commence pouring Glass Finish onto your surface you have approx. 20 minutes working time before the product begins to cure.

For very large projects, work in batches. Mix a 1m² pack, pour, spread and degas using a gas flame. Then, before this area has cured mix and apply the second batch in the same manner.

Note: Glass Finish cures by a chemical reaction. Large volumes in a container will become hot. This increase in temperature will cause the Glass Finish to set much faster than

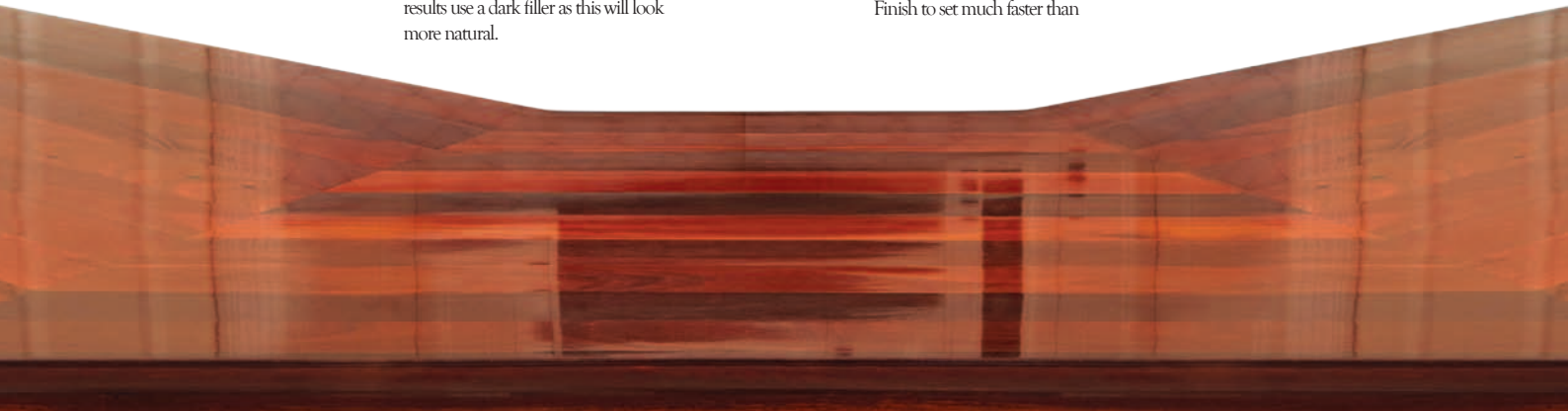
normal and substantially reduce the pot life of the product. Working in batches will help prevent this.

5. Consider Working With A Helper.

For very large projects consider enlisting a second or even a third person to help apply Glass Finish (each take a separate section and meet in the middle).

6. Seek Professional Assistance.

We always recommend using a professional applicator for commercial jobs or when coating valuable items or very large projects.



GET CREATIVE WITH GLASS FINISH

Glass Finish may be applied over most surfaces, providing they are thoroughly sealed.

Wood	Sea Shells	Painted Surfaces
Paper	Dried Flowers	Transfers
Decals	Beans	Seeds
Oil Paints	Bread	Figurines
Pine Cones	Straw Flowers	Styrofoam
Rocks	Metal	Plastic
Bisque	Models	Fabric

Note: Glass Finish can have difficulty adhering to some highly polished or non-porous surfaces. **Do not use on vitreous enamel or hard/smooth non-porous surfaces.**

Glass Finish is not suitable for exterior surfaces. If applied to objects stored in direct sunlight, Glass Finish may yellow over time.

STAINING

Feast Watson Proofint can be added to Glass Finish to create special effects or change the colour of Glass Finish. A few drops is usually enough to impart a brightly coloured transparent look to Glass Finish.

- Add **no more** than 2% Proofint to Glass Finish during the mixing stage (i.e. in 100 ml of Glass Finish add no more than 2 ml).

Note: make sure that you do not exceed the quantity of Proofint recommended or the surface will remain soft and sticky (will not cure)

- You can also stain the timber surface directly before applying Glass Finish. Refer to the Proofint packaging for application instructions.
- For a deeper finish, stain the surface with Proofint and add a few drops of Proofint to Glass Finish

DECOUPAGE

- Allow decoupage to dry fully, and then apply 1 coat of water based sealer. Solvent based sealers may cause ink to run
- **Always test the sealer you choose before you use it on your chosen item**
- When completely dry, apply Glass Finish as per the application instructions

PHOTOGRAPHS, CERTIFICATES & NEWSPRINT

- Seal surfaces with 1 coat of water based sealer
- Mount item on surface, using craft glue
- Allow to dry fully
- Follow the instructions as above for “decoupage”

Note: Because of chemicals on the surface of photographs, thorough sealing is always recommended.

For photographs use a water based sealer.

- **Always test the sealer you choose before you use it on your chosen photograph**
- When completely dry, apply Glass Finish as per the instructions above

CASTING OR MOULDING

- Glass Finish can be used as a casting or moulding medium for 3 dimensional objects
 - Make sure your mould is free from cracks or holes
 - Remember your mould may be destroyed when trying to remove the casting. If possible, use a flexible compound to create your moulds, such as Selleys No More Gaps. This will make it easier to remove the mould after Glass Finish has cured
 - Use a small amount of Glass Finish to line the mould by rotating the mould slowly and allowing it to coat the entire surface
 - Large moulds can be cast in sections as Glass Finish will adhere to itself.
 - Tap the mould firmly to make sure any trapped air is released from the corners of the mould
 - Allow to cure before applying the next batch
 - Place your project in a place that is stable, level and out of the way so that it does not tip over during the curing process
- Note:** Pot life and drying time are significantly shortened when Glass Finish is used as a casting medium (as opposed to being poured over a surface). Also be aware that the casting will get very warm as Glass Finish cures.

CLEAN UP

- While Glass Finish is liquid, clean up spills, drips and equipment immediately using Epoxy Thinners
- Note:** After Glass Finish has cured, it can only be removed by long exposure to epoxy stripper or mechanical removal.
- Rough edges can be removed by sanding or a sharp blade, once the surface is completely dry. Be sure to sand in a well ventilated area and use an approved dust mask

MAINTENANCE

- Do **not** place hot items directly onto Glass Finish. Hot items may damage or discolour the film
 - To clean the surface **after** Glass Finish has fully cured, wipe down surface with a soft damp cloth
 - Glass Finish is very hard when cured. However, the surface will scratch if used as a cutting surface. Never use abrasive cleaners on the surface.
- Only use mild detergent
- If deep scratches occur, lightly sand the surface and reapply one coat of Glass Finish as per application instructions
 - Left over RESIN (Part A) or HARDENER (Part B) should be stored in a cool dark place out of direct sunlight

Glass Finish Problem Solving Guide

PROBLEM	CAUSE	SOLUTION
Bubbles have formed in the dry coating.	Insufficient degassing to remove the bubbles formed during the mixing and pouring process.	Sand the surface to remove coating and reapply one coat of Glass Finish as per the application instructions, making sure to degas thoroughly while coating is still liquid.
Project has not hardened evenly.	RESIN (Part A) and HARDENER (Part B) were not mixed well enough.	Lightly sand, remove all dust and apply a second coat, making sure that both RESIN (Part A) and HARDENER (Part B) are thoroughly mixed.
Project will not harden completely.	The ratio of RESIN (Part A) and HARDENER (Part B) was not exact.	Lightly sand, remove all dust and apply a second coat, making sure that the mix ratio of RESIN (Part A) and HARDENER (Part B) is accurate. Refer to "How to measure Out Glass Finish" on p7 of this guide.
Project has dried with dimples in the surface finish.	The finish was left too long before the bubbles were popped.	Lightly sand, remove all dust, and apply a second coat of Glass Finish. Follow step 4 "Degassing" carefully.
There are areas where the surface has pulled away to reveal the substrate.	Surface contamination.	Wipe the surface with methylated spirits. Allow to dry fully, then lightly sand, remove all dust, and apply a second coat of Glass Finish.

PROBLEM	CAUSE	SOLUTION
Glass Finish has dripped over the edge of the project and coated adjacent surfaces.	Drop sheet or aluminium foil did not sufficiently cover areas where you don't want the product to coat.	Remove cured Glass Finish by sanding or scraping (manual or electric). Wear appropriate safety equipment and work in a well ventilated area. Take care not to damage the surface Glass Finish is adhered to.
Glass Finish has been used on ceramic tile or non porous surface and after a few weeks has started to peel off.	Glass Finish is not suitable for highly polished or non-porous surfaces.	Remove Glass Finish by sanding or scraping (manual or electric). Wear appropriate safety equipment and work in a well ventilated area.
RESIN (Part A) or HARDENER (Part B) appear yellow	Exposure to (storing in) direct sunlight.	Yellowing will not affect the properties of the coating. Test on a similar surface to see if any yellow tone can be seen once cured.
Glass Finish shows signs of yellowing over time.	Exposure to direct sunlight may cause Glass Finish to yellow over time.	The yellowing does not impact the performance of Glass Finish. However, if the yellow colouration is undesirable, remove Glass Finish by sanding or scraping (manual or electric). Wear appropriate safety equipment and work in a well ventilated area. Recoat project with one coat of Glass Finish as per application instructions. Do not expose finished project to direct sunlight.

For further information, about Feast Watson products or their application, please call our product advice hotline on 1800 252 502 or visit our website www.feastwatson.com.au

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