

# MICRO-GLAZE GLOSS PROTECTION



Micro-Glaze is a two-pack, solvent-free, high-performance gloss protection system specially designed for horizontal surfaces. Formulated for durability and brilliance, it delivers an exceptional mirror-like finish that enhances both aesthetics and performance.

Engineered to perform across a wide range of substrates, Micro-Glaze is compatible with numerous Chemro products, making it a versatile choice for advanced coating systems.



## Key Features:

- full gloss
- Hard finish
- Chemical resistance
- UV resistance
- Durable
- Sandable and polishable

## Benefits:

Ease of application (Roll, brush, and Trowel)  
Excellent adhesion  
Can be applied previously painted surfaces  
Can be sanded easily

## Application Guide:



- Trial Application: New users must test a small sample area before full-scale application to ensure suitability.
- Pot Life: Once mixed, the product has a usable time of approximately 20 minutes.
  - The mixture will begin to harden within 30 minutes—mix only what is needed for immediate use.
- Container Handling: Keep container tightly sealed when not in use. Exposure to air moisture will cause the material to harden.
- Drying Time: The surface can typically be handled after 3–4 hours, depending on temperature and humidity conditions.

## Surface Preparation and Application

### 1. Surface Preparation

Comprehensive precautions must be taken to ensure optimal results on both newly constructed and previously painted surfaces.

- All cracks, joints, and nail holes must be properly filled, cured, and finely sanded in accordance with the manufacturer's specifications.
- The surface must be clean, dry, and free from dust, peeling paint, mold, grease, or any loose materials.
- In the presence of stains, thoroughly clean or wash the affected areas. If necessary, apply a suitable stain blocker appropriate for the type of stain encountered.
- Previously painted surfaces may require light sanding using fine-grit sandpaper or a sanding block (180 grit or lower) to ensure proper adhesion and surface uniformity.

For new surfaces, ensure the substrate is fully cured and properly sealed prior to coating.

### 2. Application Procedure

1. Once surface preparation is complete, apply the first coat of Micro-Glaze using a roller, brush, or pouring technique.
2. Allow the coating to dry for approximately 2 hours.
3. Apply the second coat in the same manner.
4. If desired, a third coat may be applied to achieve enhanced depth and gloss.

After the final coat, allow the surface to cure for 48–72 hours before any sanding or polishing. For polishing:

- Use fine-grit sandpaper (#500 or higher), gradually increasing up to #5000 for an ultra-smooth finish.
- Note: This process may slightly reduce the gloss level but will yield a smoother, refined surface.

### 3. Substrate Compatibility

- Micro-Glaze can be applied directly onto Chemro polymeric-based products.
- Do not apply directly onto lime-based or cement-based products.
  - For these surfaces, allow the lime conversion process to complete (minimum 4 weeks).
  - Then apply one coat of Shinlock followed by two coats of Glaze before applying Micro-Glaze.
  - Allow several hours between each coat to ensure full drying before applying Micro-Glaze.
- When applying over dense mineral or polymer-modified substrates, it is the applicator's responsibility to confirm suitability.
  - Sand the surface with #80 grit or lower to create a mechanical key for adhesion.
  - After application, allow 24 hours and conduct a cross-cut adhesion test (using a knife and tape).
  - Contact Chemro for guidance if you are unfamiliar with this testing procedure.

### 4. Limitations and Important Notes

- Humidity: Do not apply when relative humidity exceeds 55% RH, as Micro-Glaze is highly sensitive to moisture.
- Cleaning: Do not clean tools with water. Use turpentine or white spirit instead.
- Vertical Surfaces: Micro-Glaze can be used on vertical areas; however, extra care is required when using a brush, roller, or trowel. Apply multiple thin coats rather than a single thick coat to maintain product integrity and durability.
- Mixing Ratio: Mix components by weight or volume at a 1:1 ratio.
  - Incorrect ratios may result in excessive hardness (leading to brittleness and delamination) or under-curing (causing softness and reduced scratch resistance).



## Additional Information

- Finish: Full Gloss
- No. of Coats: Typically two
- Toxicity: Not classified as toxic or Dangerous Goods
- Coverage: Approx. 2–3 m<sup>2</sup>/kg, If trowelled, 8–10 m<sup>2</sup>/kg, If roll or brush
- Package: two pack (Part A: Part B) depending on the job surface area

## Maintenance and Care

Micro-Glaze is a high-performance, solvent-free gloss protection system designed for exceptional durability and long-term surface performance. Proper care and maintenance will ensure that the coating retains its appearance, gloss, and protective qualities over time.

### 1. General Maintenance

- Allow the coating to fully cure for a minimum of 7 days before performing any cleaning or maintenance.
- Routine cleaning should be performed using a soft, non-abrasive cloth or mop with mild pH-neutral detergent and warm water.
- Avoid the use of scouring pads, abrasive cleaners, or harsh solvents, as they may dull the finish or damage the surface film.
- Always wipe spills promptly to prevent potential staining or surface etching.

### 2. Stain Resistance

Micro-Glaze provides excellent protection against most common household stains such as coffee, juice, oils, and mild chemicals.

However:

- Prolonged contact with strong acids, alkalis, dyes, or solvents may cause discoloration or surface damage.
- For stubborn stains, use a soft cloth dampened with a diluted neutral cleaner, then rinse and dry thoroughly.
- Do not use bleach, acetone, or alcohol-based products on the surface.

### 3. Scratch Resistance

- Micro-Glaze offers good scratch resistance under normal use; however, it is not fully scratch-proof.
- Avoid dragging metal, ceramic, or rough objects across the surface.
- Use protective pads or felt under heavy objects and avoid direct contact with abrasive materials.
- Light surface scratches can often be reduced or removed by gentle polishing with a fine polishing compound and a soft microfiber cloth.

### 4. Chemical Resistance

- The product is formulated to resist mild household and commercial cleaning agents.
- Avoid contact with strong acids, chlorinated solvents, or concentrated alkalis, as these can degrade the coating.
- If accidental contact occurs, rinse immediately with clean water and dry with a soft cloth.

### 5. Heat Resistance

- Micro-Glaze exhibits good heat resistance for everyday conditions; however, it is not designed to withstand direct flame or high thermal shock.
- Do not place hot pots, pans, or equipment directly on the coated surface. Always use heat-resistant pads or trivets.
- Extended exposure to heat above 60–70°C (140–160°F) may soften or discolor the coating over time.

### 6. Knife and Sharp Tools

- Cutting or slicing directly on Micro-Glaze-coated surfaces is not recommended.
- Use a cutting board at all times, as knives and sharp tools can cause permanent scratches or gouges.
- Deep cuts or mechanical damage cannot be easily repaired and may require professional refinishing.

### 7. Impact and Abrasion

- Micro-Glaze provides excellent resistance to abrasion and minor impacts; however, heavy or sharp impacts can crack or chip the coating.
- Avoid dropping heavy objects or striking the surface with hard tools.
- Where high impact resistance is required (e.g., benchtops or commercial areas), additional protective mats or barriers are recommended.

### 8. Long-Term Care

- Re-polishing can be carried out periodically to restore surface gloss. Use fine polishing compounds (up to #5000 grit) as required.
- Inspect the surface regularly for signs of wear, chemical damage, or delamination, especially in high-traffic or high-use areas.

## Important Note:

Chemro Pty Ltd will not be held responsible for any product failure, damage, or defect resulting from improper use, application by unqualified individuals, or use on unsuitable or unstable substrates. Micro-Glaze is a professional-grade product that requires proper surface preparation, technical knowledge, and routine maintenance. If applied to substrates that are loose, unstable, or subject to structural movement, cracking or delamination may occur — such failures are not covered under any warranty or liability.

Chemro Pty Ltd accepts no responsibility for variations in colour, finish, or texture between batches, pails, or sample materials. Minor differences in shade, sheen, or surface feel are a natural characteristic of mineral-based products and hand-applied finishes, and are to be expected.

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Always test the product in advance under actual job site conditions. It is the buyer's responsibility to ensure the product is fit for their specific use.

## Disclaimer

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