



Technical Data Sheet GLOSS EMULSION

Product Overview:

GM Gloss Emulsion is a high-gloss, transparent protective topcoat formulated with premium-grade acrylic emulsion. It is designed to enhance and seal interior and exterior decorative finishes by providing a clear, glossy layer with long-lasting protection and superior resistance to weathering, water, and abrasion.

Recommended Applications

- Suitable for both **interior and exterior** surfaces
- Ideal for use over **texture coatings, decorative finishes, and matte water-based paints**
- Recommended for **concrete, cement plaster, gypsum, brick, and masonry surfaces**

Key Benefits

- Crystal-clear, **high-gloss** finish
- **UV-resistant** and weather-durable
- Washable with water and mild detergents
- Excellent **adhesion** and film integrity
- Flexible and resistant to cracking or flaking
- Enhances color richness and surface depth

Technical Properties

Property:	Value / Test Method
Finish	Glossy Transparent
Gloss Level	> 75 @ 60° (ASTM D523)
Specific Gravity	~1.00 (ASTM D1475)
Viscosity	~65 KU (ASTM D562)
Volume Solids	~44% (ASTM D2697)
DFT per Coat	40 µm (Dry Film Thickness)
Theoretical Coverage	11 m ² /liter (may vary based on surface)
Water Resistance	Pass – 7 Days (ASTM D870)
Alkali Resistance	Pass – 1% NaOH, 7 Days (ASTM D1308)
Salt Resistance	Pass – 1.5% Solution, 7 Days (ASTM D1308)
Adhesion	Pass (ASTM D3359)
Flexibility	Pass – 3 mm mandrel (ASTM D522)



Surface Preparation

- Surfaces must be **clean, dry, and sound**
- Remove all dust, grease, oil, salt deposits, and loose paint
- Allow newly plastered or concrete surfaces to cure for **at least 28 days**
- Fill surface defects using **GM Filler** or other suitable patching compounds
- Ensure moisture content does not exceed **8%** and pH is below **9**

Application Guidelines

- Stir product thoroughly before use
- Do not apply on damp or moist surfaces
- Maintain a minimum ambient temperature of **5°C**
- Ensure relative humidity is below **70%**
- Apply 2 coats with appropriate drying intervals
- Allow the surface to fully dry before recoating

Tools & Equipment

Method	Details
Airless Spray	Nozzle 0.017–0.021", Pressure ~2100 psi
Air Spray	Nozzle Size 1.5 – 1.8 mm
Roller	Soft, smooth roller (Recommended: GM Velvet)
Brush	Soft-bristle or synthetic fiber

Thinning & Cleaning

- **Thinner:** Clean tap water
- **Thinning Ratio:**
- **Spray:** 3-7% (adjust per conditions)
- **Roller & Brush:** Ready to use
- **Tool Cleaning:** Rinse with water immediately after use

Drying & Recoating Times (@ 25°C):

Stage	Time
Surface Dry	1 hour
Hard Dry	4 hours
Recoat Interval	8 hours (min) – 48 hours (max)
Full Cure	7 days



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Packaging

- 3.65 Liter Gallon
- 18 Liter Drum

Storage & Shelf Life

- Shelf Life: 24 months in original, sealed packaging at 25°C
- Store in a **cool, dry, and well-ventilated** area
- Keep away from **direct sunlight and freezing temperatures**

Health & Safety:

- Use appropriate PPE during application
- Avoid skin and eye contact
- Avoid breathing in paint mist or fumes during application.
- Ensure proper ventilation

Environmental Care:

- Donate excess paint to certified organizations
- Dispose of waste and empty containers responsibly in compliance with local regulations