



Product Overview

GM Epoxy is a premium, solvent-based polyurethane topcoat engineered to enhance and protect epoxy flooring systems. Its aliphatic isocyanate-based formulation ensures exceptional hardness, sustained gloss over time, and robust protection against UV exposure, wear, chemical attack, and moisture.

Key Features

- **UV Stability:** Maintains clarity and gloss without chalking or yellowing.
- **High Durability:** Resists impact, scuffs, and frequent cleaning cycles.
- **Chemical Resistance:** Shields against alkalis, salts, solvents, and a broad range of industrial chemicals.
- **Waterproofing:** Creates an impermeable seal to prevent moisture ingress and substrate corrosion.
- **Excellent Adhesion:** Bonds tenaciously to properly prepared concrete and steel surfaces.

Recommended Applications

deal as a final wear coat over cured epoxy floors on interior and exterior horizontal concrete slabs and steel structures. GM Epoxy forms a tough protective coating that withstands heavy foot and vehicle loads, repels spills, and endures harsh environmental conditions. It also requires minimal maintenance to preserve its performance over time.

Technical Specifications

Appearance	Clear gloss finish	—
Volume Solids (mixed)	55 %	ASTM D2697
Density (mixed)	1.12 g/cm ³	ASTM D1475
Recommended Dry Film Thickness	55 µm	—
Theoretical Coverage	10 m ² per litre at 55 µm DFT	—
VOC Content	417 g/L	—

Drying & Recoating (at 25 °C)

- Surface-dry: 1 hour
- Hard-dry: 6 hours
- Recoat window: 24 hours min, 4 days max
- Full cure: 7 days



Application Guide

- Mix Ratio: 4 parts base : 1 part hardener (by volume).
- Pot Life: ~60 minutes at 25 °C; ~30 minutes at 45 °C.
- Ambient Temp: ≥ 5 °C; surface ≥ 3 °C above dew point.
- Humidity: ≤ 85 % RH; concrete moisture ≤ 4 %.
- Thinner: GM Thinner 507 (0-3 % for spray; 10-15 % for brush/roller).
- Tools: 3/8" short-nap roller or airless spray (0.015-0.021" nozzle at 2,100 psi).

Packaging & Storage

Available in kits:

- 4 L base + 1 L hardener
- 14.4 L base + 3.6 L hardener

Store sealed at ≤ 25 °C in a cool, dry, ventilated area. Shelf life: 12 months.

Safety & Handling

Wear protective gloves, eye protection, and respirator. Ensure adequate ventilation. Clean tools/spills with GM Thinner 507. Keep away from sparks, flames, and heat sources. Dispose of waste per local regulations.

Disclaimer

Data reflect product performance at publication. Users must verify suitability for their application and comply with local standards. Liability limited to replacement of defective product.