



Product Overview

GSDC Epoxy is a premium, solvent-based polyurethane topcoat designed to enhance and protect epoxy flooring systems. Its aliphatic isocyanate-based formula ensures strong hardness, long-lasting gloss, and protection against UV rays, wear, chemicals, and moisture.

Key Features

- UV Stability: Stays glossy and clear without yellowing.
- High Durability: Resists scuffs, impacts, and frequent cleaning.
- Chemical Resistance: Protects against alkalis, salts, solvents, and industrial chemicals.
- Waterproofing: Prevents water and moisture from entering.
- Excellent Adhesion: Sticks firmly to well-prepared concrete and steel.

Recommended Applications

Best as a final coat over cured epoxy floors on both interior and exterior concrete and steel surfaces. GSDC Epoxy creates a tough, long-lasting layer that handles heavy loads, foot traffic, and harsh conditions with minimal maintenance.

Technical Specifications

Appearance: Clear gloss finish

Volume Solids (mixed): 55% (ASTM D2697)

Density (mixed): 1.12 g/cm³ (ASTM D1475)

Recommended Dry Film Thickness: 55 µm

Theoretical Coverage: 10 m²/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: $\leq 85\%$ RH; concrete moisture $\leq 4\%$
- Thinner: GSDC 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 place. Shelf life: 12 months.

Safety & Handling

Use gloves, eye protection, and a respirator. Ensure ventilation.
Clean tools/spills with GSDC Thinner 507. Keep away from heat and flames. Follow local disposal rules.

Disclaimer

Data is based on best knowledge at the time. User must verify suitability for their project.
Liability is limited to product replacement in case of defects.