



MyGUARD – Technical Data Sheet

Water-Based, Two-Component "Super Hard" Polycarbonate Polyurethane Sealer

Product Description:

MyGUARD is a premium, waterborne two-component polyurethane sealer formulated with advanced polycarbonate resins for maximum surface protection. Specifically engineered for microcement and resin flooring, MyGUARD provides extreme hardness, exceptional abrasion resistance, and a smooth satin or matte finish. It is suitable for high-traffic residential and commercial applications.

Key Features

- **Extreme Durability:** Polycarbonate-infused formula delivers superior scratch, scuff, and wear resistance.
- **Seamless Protection:** Creates a high-strength, water-resistant barrier tailored for microcement systems.
- **UV Resistant:** Non-yellowing formula resists UV degradation and sun discoloration.
- **Low VOC Compliance:** Eco-friendly water-based system with a VOC content of 110.18 g/L in ready-to-use form (well below the 140 g/L limit).

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Technical Specifications

Property	US Standard Specification
Mixing Ratio (by weight)	100 parts Component A : 8 parts Component B
Pot Life (Working Time)	45–60 minutes at 68°F
Application Temperature	59°F to 77°F
Coverage Rate	Approx. 33–70 sq ft/lb per coat (0.014–0.031 lbs/sq ft)
VOC Content	110.18 g/L (ready-to-use)
Finish Options	Satin / Matte

Curing Times (at 68°F)

- Touch Dry: 1–2 hours
- Light Foot Traffic: 24 hours
- Full Chemical Cure: 7 days

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Instructions for Use

1. **Surface Preparation:** Substrates must be fully cured, clean, dry, and completely free of dust, grease, wax, oil, or previous sealers.
2. **Mixing Procedure:**
 - Shake Component A thoroughly prior to opening.
 - Slowly add Component B to Component A in the exact 100:8 weight ratio.
 - *Crucial Step: Components MUST be measured using a precise digital electronic scale to ensure accurate chemical cross-linking.*
 - Mix thoroughly for 2–3 minutes, then allow a 10-minute induction time prior to application.
3. **Application:** Apply using a high-quality 3/8" pile microfiber roller. Work in uniform directions to prevent overlap marks or lap lines.
4. **Second Coat:**
 - Apply the second coat after 2 hours without sanding.
 - If more than 24 hours elapse between coats, light sanding with 220-grit sandpaper is required before applying the second coat.

Packaging & Storage

- **Available Kit Sizes:**
 - 11.9 lb Kit (~1.4 Gallon Set): 11.02 lbs Comp. A + 0.88 lbs (14.1 oz) Comp. B
 - 2.38 lb Kit (~1 Quart Set): 2.20 lbs (35.2 oz) Comp. A + 0.18 lbs (2.8 oz) Comp. B
- **Shelf Life:** 12 months in original, unopened packaging.
- **Storage:** Store in a cool, dry location between 50°F and 77°F. PROTECT FROM FREEZING.

Safety & Compliance

- **Inhalation Hazard:** Component B contains aliphatic polyisocyanates. Harmful if inhaled.
- **Personal Protective Equipment (PPE):** Wear Category II long-sleeved overalls, safety footwear, and chemical-resistant gloves (nitrile or PVC).

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- **Respiratory Protection:** If exposure limits are exceeded, wear a NIOSH-approved respirator equipped with Type A organic vapor cartridges. Ensure active fresh-air ventilation in all enclosed spaces.
- **US Distribution Requirements:** Must be accompanied by a Safety Data Sheet (SDS) compliant with OSHA HCS 2012 (GHS). All chemical components are verified under the TSCA inventory.

WARNING: Do not apply on damp substrates or in conditions where ambient/substrate humidity exceeds 60%. High humidity or excess surface moisture will cause bubbling, clouding, or coating failure. Final determination of product suitability is the sole responsibility of the applicator/user.

Technical Information: All measurements and technical values are approximate unless otherwise stated. Coverage, consumption, drying times, and other application characteristics may vary depending on substrate condition, application technique, temperature, humidity, and other site conditions. The information provided is based on typical conditions and is intended as a general guide.

Notice: The final determination of the suitability of the material for a specific use is the sole responsibility of the user.

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