



MyCROCEMENT™ – Technical Data Sheet

One-Component, Ready-to-Use Polymer Microcement System

Product Description:

MyCROCEMENT™ is a high-performance, single-component polymer microcement system engineered to create seamless, decorative architectural surfaces on interior floors, walls, ceilings, countertops, and millwork. Its ready-to-use formulation eliminates field mixing of powders and liquid polymers, ensuring consistent color, workability, and bond strength across residential and commercial applications.

Key Features

- **Seamless Finish:** Eliminates field grout lines; bridges movement without structural expansion joints (must honor existing structural movement joints).
- **Pre-Mixed & Ready-to-Use:** Factory-colored paste requiring only low-speed mechanical homogenization before placement.
- **High Durability:** Superior resistance to abrasion, UV degradation, and localized impact; water-resistant for wet-area applications (showers and bath surrounds).
- **Multi-Substrate Adhesion:** Direct bond to properly prepared concrete slabs, cement backer boards, ceramic/porcelain tiles, OSB/plywood subfloors, and drywall.

[Mycrocement.com](#) • [Technical Resources](#) • [Contact](#)

MyCROCEMENT™: *The DIY microcement system.*

MyCROCEMENT™ is a licensed brand and product of DIY ELEVATED LLC.

© 2026 DIY ELEVATED LLC. All rights reserved.

Technical Specifications

Property	Standard / Test Method	Specification Value
System Thickness	Nominal	60 – 80 mils (1.5 – 2.0 mm)
Adhesion to Substrate	ASTM D4541 / C1583	>217 psi (>1.5 N/mm ²)
Application Temperature	Ambient & Substrate	59°F to 77°F (+15°C to +25°C)
Substrate Moisture Limits	ASTM F2170 / CM Method	Max 75% RH / <3.0% Concrete (<0.5% CM Gypsum)
Ambient Humidity Limit	Relative Humidity	Maximum 60% RH
VOC Content	SCAQMD Rule 1113 / EPA M24	Low-VOC (<50 g/L)

[Myrocement.com](#) • [Technical Resources](#) • [Contact](#)

MyCROCEMENT™: *The DIY microcement system.*

MyCROCEMENT™ is a licensed brand and product of DIY ELEVATED LLC.

© 2026 DIY ELEVATED LLC. All rights reserved.

Estimated Material Consumption & Yield

Layer	Product	Consumption (lbs / sq ft)	Consumption (kg / m ²)	Approx. Coverage per 20 kg (45 lb) Bucket
Primer	MyPRIMER	0.02 – 0.06	0.10 – 0.30	750 – 2,250 sq ft / gal
Base Coat <i>(Optional)</i>	MyBASE	0.20 – 0.25	1.00 – 1.20	180 – 225 sq ft
1st Coat	MyCROCEMENT™	0.14 – 0.20	0.70 – 1.00	225 – 320 sq ft
2nd Coat	MyCROCEMENT™	0.10 – 0.14	0.50 – 0.70	320 – 450 sq ft
Sealer	MyGUARD	0.025	0.12	1,800 sq ft / gal

Note: Coverage rates vary based on substrate porosity, texture, and application technique.

[Mycrocement.com](https://mycrocement.com) • [Technical Resources](#) • [Contact](#)

MyCROCEMENT™: The DIY microcement system.

MyCROCEMENT™ is a licensed brand and product of DIY ELEVATED LLC.

© 2026 DIY ELEVATED LLC. All rights reserved.

Instructions for Use

1. Substrate Preparation

- Substrates must be structural, clean, dry, and free of dust, oil, grease, or loose contaminants.
- **Glazed Ceramic Tile:** Scuff-grind mechanically using a diamond disc to profile the glaze (CSP 1–2).
- **Wood / Tile Substrates:** Apply **MyBASE** reinforced with alkali-resistant fiberglass mesh over tile joints or wood subfloors (OSB/plywood) to prevent telegraphing.

2. Mixing

- Homogenize the material using a low-speed drill (300–400 RPM) fitted with a clean paddle for 2 minutes upon opening.
- **Color Consistency:** To avoid batch-to-batch shade variations, box (combine) multiple buckets from different production lots into a single mixing container prior to placement.

3. Application

- Apply using a flexible stainless-steel microcement trowel in coats no thicker than **40 mils (1.0 mm or ~1/32 in)** per pass.
- Work wet-on-wet in multi-directional, sweeping motions to avoid hard lap lines and cold joints.

4. Sanding & Profiling

- **First Coat:** Allow to cure for approximately 4 hours (until dry to touch). Sand with **60–120 grit** sandpaper to remove high spots and ridgelines. Vacuum thoroughly.
- **Final Coat:** Allow to cure for 4 hours. Sand with **180–240 grit** sandpaper for a smooth finish. Vacuum and microfiber-tack the surface prior to sealing.

5. Sealing

- After the final coat has cured for 4 to 6 hours, apply **MyGUARD** polyurethane sealer according to its product technical instructions.

[Mycrocement.com](https://mycrocement.com) • [Technical Resources](#) • [Contact](#)

MyCROCEMENT™: The DIY microcement system.

MyCROCEMENT™ is a licensed brand and product of DIY ELEVATED LLC.

© 2026 DIY ELEVATED LLC. All rights reserved.

Packaging & Storage

- **Standard Bucket Sizes:** 5 kg (11 lbs) | 10 kg (22 lbs) | 15 kg (33 lbs) | 20 kg (45 lbs)
- **Shelf Life:** 6 months from manufacture date in original, unopened, sealed pails.
- **Storage Temperature:** Maintain between **50°F and 77°F (10°C to 25°C)**.

CRITICAL: PROTECT FROM FREEZING. Freezing causes irreversible polymer coagulation and premature curing inside the pail. Do not store below 40°F (4°C) or in direct sunlight.

Safety & Compliance (US Market)

- **Personal Protective Equipment (PPE):** Wear chemical-resistant gloves (nitrile or PVC), safety glasses with side shields, and long sleeves during handling.
- **Respiratory Protection:** A NIOSH-approved N95 or P100 particulate respirator is required during dry sanding operations to prevent silica/mineral dust inhalation.
- **OSHA Compliance:** A Safety Data Sheet (SDS) compliant with US OSHA HCS 2012 (GHS) guidelines must be available on-site during installation. All constituents are listed on the EPA TSCA Inventory.
- **Installer Responsibility:** Final determination of product suitability for specific jobsite conditions remains the responsibility of the installer.

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.

Technical Data Sheet | Version 1.0 | August 2026

[Mycrocement.com](https://mycrocement.com) • [Technical Resources](#) • [Contact](#)

MyCROCEMENT™: The DIY microcement system.

MyCROCEMENT™ is a licensed brand and product of DIY ELEVATED LLC.

© 2026 DIY ELEVATED LLC. All rights reserved.