



# Cammo Flex™ Epoxy Gel | FLEXIBLE & DURABLE RUBBER-LIKE EPOXY

Manufactured by Polygem | 5600 Lower Macungie Rd. | Macungie, PA 18062 | 630-231-5600 | Made in USA

**POLYGEM**  
polygem.com

**STRONG - IMPACT RESISTANT - NO SOLVENTS - PAINTABLE- PIGMENTABLE**

**ZOO POXY™**  
theming epoxy

**TB - TECHNICAL BULLETIN**

## PRODUCT DESCRIPTION

**Cammo Flex™ is a 100% solids, two-component epoxy Gel System with a simple 2A:1B mix ratio by volume** It is specially formulated to create display elements and artistic projects that require a tough, durable, and flexible rubber-like surface. After curing, it forms a resilient material that can accommodate movement and even bend, providing a more "lifelike" feel and appearance.

**Cammo Flex** is ideal for fabricating realistic vines, trees, and leaves for exhibits, themed environments, and artistic installations. It delivers excellent durability and impact resistance, making it suitable for high-traffic or interactive areas. Because the finished material is a pliable rubber, it offers a unique combination of strength and flexibility, making it perfect for projects that need to feel realistic or withstand minor impacts without breaking.

## WORKING FEATURES & BENEFITS

**Cammo Flex** has exceptional performance properties and dimensional stability.

- **100% Solids**
- **Extended Working Time of 60 minutes**
- **Easy to Tint or Paint**
- **Impact Resistant**

## MIXING & APPLICATION INSTRUCTIONS

1. After pre-mixing Parts A and B, measure out 2 Parts A to 1 Part B (2A:1B) by volume. Combine and mix either by hand or with a drill mixer at slow speed. Mix material thoroughly until an even color is achieved. While mixing try not to whip air into the mixture and be sure to scrape both the sides and bottom of the mixing container.

**DO NOT** mix more than can be used within the working time of 60 minutes.

2. Mixed **Cammo Flex** can be tinted with any colorants made for epoxy and cast directly into a mold. When using silicone molds, no release is required. However, a suitable mold release should be applied when casting into non-silicone molds.

If you plan to paint and detail your piece after molding, we recommend using a silicone mold without a release agent.

3. Cammo Flex may also be applied directly onto a substrate by hand, brush or trowel. Apply in thin layers up to 1/4 in. (6.35 mm) thick at a time. Allow 6 hours cure time between each layer applied.

## PAINTING & FINISHING

Because **Cammo Flex** is a flexible, rubber-like epoxy gel, any finish applied to it must also be able to bend and move without cracking. Traditional rigid paints may fail quickly, so flexibility in the finish is essential. Allow 24 Hrs before painting & finishing.

For best results, we recommend **Maker Pro Paint™** with **FLEX Additive** by Smooth-On. This combination creates a tough, flexible coating with excellent adhesion, ensuring that the finish holds up even under repeated flexing.

When a base color is desired, oxide colorants can be mixed directly into the **Cammo Flex** during blending. This provides natural, earthy tones throughout the material before painting or detailing. To further expand your color options, **UVO™** UV-resistant pigments can be added for long-lasting outdoor performance, while **Ignite™** fluorescent colorants offer bright, high-impact accents when a project calls for bold or attention-grabbing effects.

By combining integral color with a flexible, durable paint system, Cammo Flex™ can be finished in a wide variety of creative styles—ideal for themed environments, exhibits, or scenic applications.

## PACKAGING

**Cammo Flex** is available in a **1.5 Gallon** or **3 Gallon Kit**.

## BENEFITS OF CURED MATERIAL

- **High Tear Strength**
- **Superior UV Resistance**
- **Public Space Safe**
- **Extremely Strong & Durable**
- **Impact Resistant**

## TECHNICAL SPECIFICATIONS

TYPICAL PROPERTIES | All values measured after 7 days at 73°F (23°C).

**Mix Ratio: 2A:1B** by volume | **Mixed Viscosity:** Gel.

**Color:** Light Tan (color may vary) | **Pot Life:** 60 min. (100 gms)  
Part A: white Part B: Amber

**Handling Time:** 8 Hrs. | **Full Cure:** 24 Hrs.

**Shore D Hardness:** 40 | **Shelf Life:** 24 Mos.\*  
ASTM D-2240

**Tensile Strength:** 758 psi ASTM D-638

**Elongation:** 102% ASTM D-412

**Die C Tear Strength:** 79 pli ASTM D-624

\* From date of manufacture when stored at 73°F (23°C) in unopened containers.

### POLYGEM LIMITED WARRANTY:

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