



# 307 Stone™ Sculpting Epoxy | STAMP - TEXTURE - SCULPT

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

**POLYGEM**  
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ZOO POXY™  
therming epoxy

TB - TECHNICAL BULLETIN

## PRODUCT DESCRIPTION

**307 Stone™ Sculpting Epoxy** is a 100% solids epoxy system specially formulated to a workable “clay-like” consistency for sculpting and modeling projects. 307 Stone will cure to an extremely strong and durable plastic with a slightly textured stone-like surface that can be easily sanded or shaped.

## WORKING FEATURES & BENEFITS

**307 Stone** is easy to mix and apply by hand or with a trowel or spatula. It can be tinted, painted or even stained.

### EASY TO MANIPULATE:

- *Can be Smoothed with Water*
- *Can be Sculpted, Stamped or Textured*
- *Bonds to Itself and Many Other Substrates*
- *Can be Sculpted, Stamped or Textured*
- *Easy to Pigment*
- *Holds Intricate Detail Well*
- *Will not Melt or Dissolve Foam Surfaces*
- *Easy Cleanup with Water*

## SUBSTRATES

**307 Stone** bonds well to most surfaces including fiberglass, foams, metal, wood and concrete.

## APPLICATION INSTRUCTIONS

- 1. Measure & Mix-** Wearing gloves, measure out equal parts 1A:1B by volume. Combine and mix material thoroughly by kneading the two parts together until it is “streak-free” and an even uniform color.

**DO NOT** mix more than can be applied or used within the working time of 1 hour.

### WORKING TIME - MATERIAL IS MASS SENSITIVE.

**More Mass = Less Time to Work.**

Apply and spread quickly to achieve the maximum working time. Temperatures above 73°F (23°C) will reduce working time.

- 2. Application (Veneering)**

Spread by gloved hand onto your substrate.

### Applications (SCULPT | STAMP | TEXTURE)

**SCULPT:** Sculpt using a gloved hand and/or tools to shape material to your desired form.

Water may be used to minimize material build up on gloves and/or tools.

**STAMP:** When stamping, we recommend using a flexible rubber stamp. Using a spray bottle filled with water, lightly dampen your stamp, and press it firmly into the material. Once the impression has been made, peel the stamp away carefully. There should be minimal transfer of material onto the stamp.

### TEXTURE: Smooth Glass-Like Surface

Apply clear plastic food wrap to the uncured epoxy and smooth it to eliminate all wrinkles. Leave the wrap in place until the epoxy cures. Once cured, the plastic wrap can be peeled away easily; leaving a high gloss finish.

### Rough, Distressed or Patterned Surface

A gloved hand or tools may be used to roughen or distress the surface. Small amounts of water applied to the tools or surface before & during texturing will minimize material build up.

## PACKAGING

**307 Stone** is available in a **2** or **10 Gallon Kit**.

## PERFORMANCE BENEFITS OF MATERIAL

- **No Solvents**
- **Sandable & Paintable**
- **Strong & Durable**
- **Safe for the Environment**

## IT IS IDEAL FOR USE FOR:

- **Sculptural Works**
- **Applying as a Veneer**
- **Creating Tough & Durable Surfaces**
- **Patching**
- **Exhibit Repairs**

## TECHNICAL SPECIFICATIONS

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

**Mix Ratio: 1A:1B** by volume | **Mixed Viscosity:** Clay-Like

**Pot Life:** 3 Hrs. (100 gms) | **Cure Time:** 8 Hrs.

ASTM D-22471

**Color:** Gray color may vary | **Shore Hardness:** 71 D

**Compressive Strength:** 2,430 psi ASTM D695

**Compressive Modulus:** 20 ksi ASTM D695

**Tensile Strength:** 988 psi ASTM D638

**Flexural Strength:** 1,886 psi ASTM D790

**Flexural Modulus:** 64.6 ksi ASTM D790

**Elongation:** 1.9% ASTM D638

**Specific Volume:** Mixed - 17.95 cu in/lb ASTM D792

## POLYGEM LIMITED WARRANTY:

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