



EZ-Karve™ Sculpting Epoxy | LIGHTWEIGHT & CARVABLE

NO SOLVENTS- ENVIRONMENTALLY FRIENDLY - PUBLIC SPACE SAFE

POLYGEM

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ZOO POXY™
therming epoxy

TB - TECHNICAL BULLETIN

PRODUCT DESCRIPTION

EZ-Karve™ Sculpting Epoxy is a 100% solids epoxy system designed with a unique “clay-like” consistency, making it ideal for sculpting and modeling applications. Once cured, it forms a lightweight yet exceptionally strong and impact-resistant material that can be easily shaped, sanded or carved. Formulated with a proprietary internal reinforcing agent, EZ-Karve delivers the strength and durability of a high-performance polymer while remaining easy to carve and machine.

WORKING FEATURES & BENEFITS

EZ-Karve is easy to mix and apply by hand. It can be tinted, painted or stained.

EASY TO MANIPULATE:

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

SUBSTRATES

EZ-Karve 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 desired 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

EZ-KARVE Sculpting Epoxy is available in a **2 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**
- **Taxidermy Modeling**
- **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: 75 mins. (100 gms) | **Cure Time:** 8 Hrs.

ASTM D-2247I

Color: Beige color may vary | **Shelf Life:** 24 Mos.*

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

POLYGEM LIMITED WARRANTY:

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