

## Product Guide

### TOP SHELF® EPOXY

#### DESCRIPTION

Mix and match 100% solids, two-component **KRETUS Top Shelf® Epoxy System** to meet your installation demands. Combine any resin with any hardener to vary epoxy's cure time, chemical resistance, mil thickness, moisture vapor resistance, and more.

#### SYSTEM APPLICATIONS

- crack & joint repair
- primer
- seamless moisture mitigation
- slurry, mortar, and decorative systems
- industrial, healthcare, commercial, government, institution, and residential areas
- for all KRETUS® systems, see [kretus.com/systems](https://kretus.com/systems).

#### ADVANTAGES

- **compliance:** USDA, FDA, EPA, and VOC compliant for SCAQMD
- **adhesion:** adheres to multiple substrates (concrete, wood, metal, non-glazed tiles)
- **moisture vapor resistant:** reduces moisture vapor emissions
- **green building:** eligible for LEED points, produced in California from partially recycled materials
- **cold cure:** can be applied at or above 40°F
- **ez clean:** requires little effort to maintain (see Maintenance and Cleaning Guide at [kretus.com/project-planning](https://kretus.com/project-planning))
- **anti-microbial:** protects against bacterial and fungal growth
- **chemical resistant:** resists chemical spills and cleaners (see Chemical Resistance Chart at [kretus.com/project-planning](https://kretus.com/project-planning))
- **flexibility:** has high elasticity
- **high-traffic tolerant:** stands up to vehicle traffic and continuous pedestrian traffic
- **impact resistant:** fortifies against damage from dropped tools
- **hot tire resistant:** curbs delamination caused by hot tires
- **waterproofing:** protects surfaces and underlying areas from water intrusion
- **low odor:** no offensive odor during application and cure

#### LIMITATIONS

- **UV Resistance:** All epoxy will amber over time. If color stability is important: Use a UV-resistant system, such as Polyaspartic or Polyurethane. If adding a UV-resistant top coat for color stability, the top coat must be opaque and pigmented.
- Where outgassing is suspected or prevalent, a prime coat may be required.

#### FINISH

- high gloss, clear or pre-pigmented
- texture based on application
- **Color & decorative options:** See Top Shelf® Epoxy Color Chart at [kretus.com/color-charts](https://kretus.com/color-charts).
- **Increased slip resistance:** Find Anti-Slip samples at [kretus.com/anti-slip](https://kretus.com/anti-slip).
- **Custom orders:** See KRETUS® Special Order form at [kretus.com/project-planning](https://kretus.com/project-planning).

## PRODUCT DATA

1. Choose Part A based on the type of application and finish needed.

PART A	APPLICATION	MIX RATIO
A-RESIN	<ul style="list-style-type: none"> <li>all-purpose (crack &amp; joint repair, prime, base, body, cap, or top coats)</li> </ul>	A:B = 1 gal: 1/2 gal
CAST-RESIN	<ul style="list-style-type: none"> <li>molds, casts, jewelry, countertops</li> </ul>	A:B = 1 gal: 1/2 gal
COMMERCIAL-RESIN	<ul style="list-style-type: none"> <li>economical (prime, base, body, cap, or top coats)</li> <li>low moisture tolerance (&lt;3 lbs MVER) when paired with any Part B</li> </ul>	A:B = 1 gal: 1/2 gal
COVE-RESIN	<ul style="list-style-type: none"> <li>wall cove</li> <li>crack &amp; joint repair</li> </ul>	A:B = 1 gal: 1/2 gal
CR-RESIN	<ul style="list-style-type: none"> <li>chemical-resistant top coat when combined with MVR-FC or FAST</li> <li>lower viscosity, stronger chemical bonds than A-resin</li> </ul>	A:B = 1 gal: 1/2 gal
FLEX-RESIN	<ul style="list-style-type: none"> <li>relieves stress caused by shifting or cracking substrate</li> <li>for high-movement floors as a resilient cushion against vibration and movement</li> <li>crack &amp; joint filler</li> </ul>	A:B = 1 gal: 1/2 gal
T-RESIN	<ul style="list-style-type: none"> <li>terrazzo system, use with manufacturer-approved aggregate</li> </ul>	A:B = 5 gal: 1 gal

2. Choose Part B based on climate (temperature and humidity), deadline/schedule, and applicator's skill level.

PART B	DESCRIPTION/SKILL LEVEL	MVER (ASTM F1869) RH (ASTM F2170)	RECOMMENDED APPLICATION TEMPERATURE	WORKING TIME	RECOAT TIME	RETURN TO SERVICE	FULL CURE
MVR-EZ	<ul style="list-style-type: none"> <li>moisture vapor resistance</li> <li>easy to apply, long working time</li> <li>for beginner installers and at high temperatures</li> </ul>	25 lbs 99%	60-95°F <90% RH	25-30 min	8.5-24 hrs	24 hrs	7 days
MVR-FC	<ul style="list-style-type: none"> <li>moisture vapor resistance</li> <li>fast cure</li> <li>for expert installers and at low- to mid-temperatures</li> </ul>	25 lbs 99%	41-77° F <90% RH	15 min	3-16 hrs	5-6 hrs	5 days
EZ	<ul style="list-style-type: none"> <li>easy to apply, long working time</li> <li>for beginner installers and at high temperatures</li> </ul>	10 lbs 80%	60-110° F <90% RH	40-50 min	9-36 hrs	24 hrs	7 days
AP	<ul style="list-style-type: none"> <li>average working and cure times</li> <li>for experienced installers and at low- to mid-temps</li> </ul>	10 lbs 80%	60-95° F <90% RH	25-35 min	7.5-36 hrs	24 hrs	7 days
TH	<ul style="list-style-type: none"> <li>traditional hardener</li> </ul>	3 lbs 80%	60-80° F <90% RH	20-25 min	8-24 hrs	24 hrs	7 days
FAST	<ul style="list-style-type: none"> <li>fast cure</li> <li>for expert installers and at low- to mid-temps</li> </ul>	10 lbs 80%	41-85° F <90% RH	15-20 min	5.5-24 hrs	10 hrs	5 days

All times recorded using 1 qt product at ambient temperature of 70°F and 50% humidity.

- higher temperature = faster working times
- lower temperature = slower working times

**DISCLAIMER:** The information contained in this document is intended for use by KRETUS® qualified and trained professionals. This is not a legally binding document and does not release the specifier from their responsibility to apply materials correctly under the specific conditions of the construction site and the intended results of the construction process. The most current valid standards for testing and installation, acknowledged rules of technology, and KRETUS® technical guidelines must be adhered to at all times. The steps given in this document and other mentioned documents are critical to the success of your project.  
kretus.com