



Product Guide

ACRYLIC POLYMER CONCRETE

DESCRIPTION

KRETUS® Acrylic Polymer Concrete is a durable, cost-effective, and low-maintenance system ideal for new construction and restoration projects. KRETUS® Acrylic Admix is a high-solids acrylic co-polymer hybrid that will increase the strength, flexibility, and adhesion of cementitious systems.

APPEARANCE

- white or gray
- multiple surface textures based on application

ADVANTAGES

- USDA, FDA, EPA, SCAQMD, and VOC compliant
- **waterproofing:** protects surfaces and underlying areas from water intrusion
- **adhesion:** adheres to multiple substrates (concrete, wood, metal, non-glazed tiles)
- **flexibility:** has high elasticity
- **green building:** eligible for LEED points, produced in California from partially recycled materials
- **high traffic:** stands up to vehicle traffic and continuous pedestrian traffic
- **impact resistant:** fortifies against damage from dropped tools
- **elongation:** resists damage and cracking when stretched
- **UV resistant:** protects against deterioration and discoloration from intense lighting and sun exposure
- **low odor:** no offensive odor during application and cure

USES

- over metal lath, plywood, and concrete
- concrete or wood surface sealer
- slope, skim/screed, slurry, mortar, and reinforced waterproofing
- decorative concrete overlays (knockdown/orange-peel texture, simulated tile, staining, integral color)
- industrial, healthcare, commercial, government, institution, and residential areas

EXTRAS

- **Color and decorative options:** See KRETUS® color charts.
- **Curing accelerator and retarder:** Speed or slow working and recoat times with KRETUS® Fast or Slow Control.
- **Viscosity reducer:** See Step 1 table on page 2 for mix ratio with water.
- **Custom orders:** See KRETUS® Special Order Form.

LIMITATIONS

KRETUS® recommends priming concrete with an Acrylic Primer before applying Acrylic Polymer Concrete. Do not apply KRETUS® Acrylic Polymer Concrete greater than 2 inches thick.



Step 1: Select Acrylic Polymer Concrete Part A

Part A	Method(s)	Mix Ratio	Mix Ratio with W (water)
ACRYLIC ADMIX	• add polymer admixture to concrete to improve adhesion, flexibility, and waterproofing characteristics	A:B = 1 gal.:50 lbs.	A:B:W = 1 gal.:50 lbs.:1 gal.

Step 2: Select Acrylic Polymer Concrete Part B

Part B	Method(s)	Color	Application Temperature		Working Time	Recoat Time	Return to Service	Full Cure
			°F	RH				
BASE COAT	<ul style="list-style-type: none"> sloping patch concrete more sand than cement compared to Texture 2.0 and 3.0 	gray	45-100	5-85%	25-25 min	2-24 hrs	24 hrs	28 days
TEXTURE 2.0 coarse	<ul style="list-style-type: none"> application tools: hopper gun, trowel, squeegee on walls and floors resurfacing concrete and wood 	gray or white	45-100	5-85%	20-25 min	2-24 hrs	24 hrs	28 days
TEXTURE 3.0 fine	<ul style="list-style-type: none"> application tools: hopper gun, trowel, squeegee on walls and floors resurfacing concrete and wood 	gray or white	45-100	5-85%	20-25 min	2-24 hrs	24 hrs	28 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
- higher humidity = slower working times
- lower humidity = faster working times

Step 3: Select Accelerator or Retarder (Part C, Optional)

NOTE:

- When surrounding temperature is over 85°F, add KRETUS® Slow Control to Part A before combining with Part B.
- When surrounding temperature is under 60°F, add KRETUS® Fast Control to Part A before combining with Part B.

Part C	Method(s)	Working Time	Recoat Time	Mix Ratio
FAST CONTROL (FC)	speeds working and recoat times	subtract 5–10 min.	subtract up to 1 hr	A:B:FC = 3 qts.–1.25 gal.:50 lbs.:1 oz.
SLOW CONTROL (SC)	slows working and recoat times	add 5–10 min.	add up to 1 hr	A:B:SC = 3 qts.–1.25 gal.:50 lbs.:1 oz.

Disclaimer: The information contained in this document is intended for use by KRETUS GROUP® qualified and trained professionals. This is not a legally binding document and does not release the specifier from his/her 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, as well as KRETUS GROUP® 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.