

## KEMROK™ Bulk Material Chemical Compatibility Guide

**KEMROK™** provides superior durability and service life when compared to portland cement concrete (PCC). Suitable for applications in many harsh industrial environments, **KEMROK™** will last multiple times longer than PCC. When required, **KEMROK™** accepts the application of non-breathable coatings within 48 hours of placement, ensuring a durable rapid turn around repair system during brief plant shut downs. The following table provides specific recommendations for use where chemical exposures are experienced.

Chemical*	Primary exposure/containment	Secondary containment <sup>1</sup>	Splash / drip zones <sup>2</sup>
7% sulfuric acid	Green	Green	Green
15 % sulfuric acid	Orange	Green	Green
30 % sulfuric acid	Red	Orange	Green
67 % sulfuric acid	Green	Green	Green
93 % sulfuric acid	Green	Green	Green
Molten sulfur	Green	Green	Green
31 % hydrochloric acid	Red	Red	Orange
50% phosphoric acid	Orange	Green	Green
50 % sodium hydroxide	Green	Green	Green
30 % Acetic acid	Green	Green	Green
30 % Citric acid	Red	Orange	Green
Bleach	Green	Green	Green
40 % Nitric acid	Red	Orange	Orange
88% Lactic Acid	Green	Green	Green
40% Lactic Acid	Red	Orange	Orange
15% Lactic Acid	Red	Orange	Orange

\* Recommendations are derived from test data obtained per ASTM C 267 at 70° F. For exposures at temperatures above 85° F, or not listed here, contact CERATECH Technical Services.

<sup>1</sup> Suitable for exposures of up to 72 hours, followed by cold water wash out.

<sup>2</sup> Suitable for exposures where materials is removed within 8–12 hours of splash or drip.

**COLOR KEY**

- Recommended
- Depends on Service Environment – contact Technical Services
- Not Recommended