



## Epic® A, A SiC, K - Cement

### ANDALUSITE & KYANITE w/silicon carbide addition as specified

**DESCRIPTION:**

High-alumina brick made from Andalusite or Kyanite blends. Excellent durability and abrasion resistance. EXTREME resistance to chemical attack and ring formation. **Epic® A and A-SiC** are high fired Andalusite brick and Andalusite silicon carbide option designed for calcining or safety zones with unwanted coating and the need for added wear protection and extended operating life. **Epic® 70 K** made with ultra-high purity Kyanite, offers the ultimate refractoriness under load while also greatly increasing refractory strength needed in areas around the kiln nose and retainer ring sections. All qualities are available with the option of a metallic zinc coating on the cold face to protect from areas experiencing acid corrosion to the shell.

**USES INCLUDE:**

Cement Rotary Kilns, Cyclones, Tertiary Ducts, Areas of high wear and abrasion. Kiln quench zones and cooler impact areas.

**CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)**

Approximate % - calcined basis

	50 A-SiC	60 A	70 K
Al <sub>2</sub> O <sub>3</sub>	50.0	≤60.0	70
SiO <sub>2</sub>	30.0	36.0	-
Fe <sub>2</sub> O <sub>3</sub>	1.5	2.0	2.0
SiC	17	-	-

**TYPICAL AS RECEIVED PROPERTIES:**

Apparent Porosity, %	15.5	16	15
Bulk Density, g/cm <sup>3</sup>	2.55	2.65	2.9
Linear Reheat Expansion, %	0.12	0.12	0.20
Cold Crushing Strength MPa (psi)	70	60	65

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally, and as a function of size and shape. This form is not intended to be used for purposes of specification, it is informational only.

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