



Epic® A, A SiC, K – Cement

ANDALUSITE AND KYANITE WITH 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 options designed for calcining or safety zones with unwanted coating and the need for added wear protection and extended operating life.

Epic® 70K 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.
Cooler impact areas.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

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



INFORMATION BULLETIN

TYPICAL AS RECEIVED PROPERTIES:

	50 A-SiC	60A	70K
Apparent Porosity (%):	15.5	16.0	15.0
Bulk Density (g/cm ³):	2.55	2.65	2.9
Cold Crushing Strength (MPa):	70.0	60.0	65.0
Linear Reheat Expansion (%):	0.12	0.12	0.20

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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