



PRODUCT DATA

Brand Name:

QUIKTURN AZS PC

Description: An ultralow cement Quikturn castable that contains an alumina-zirconia-silica (AZS) aggregate and can be vibration cast, pumped, and shotcreted. This product was formulated specifically for cement preheater tower applications that require an abrasion-resistant monolithic refractory that resists dust build up.

Maximum Service Temperature 2800°F (1538°C)

Typical Water Required for Mixing :

For Pumping 5.25%
 For Vibration Casting 4.7%

	<u>Vibration Cast Samples</u>	<u>Pumped Cast Samples</u>
<u>Bulk Density (lb/ft³)</u>		
After 1500°F (815°C) :	176 (2816 kg/m ³)	176 (2816 kg/m ³)
<u>Cold Crushing Strength (lb/in²)</u>		
After 1500°F (815°C) :	12,000 (840 kg/cm ²)	10,000 (700 kg/cm ²)
<u>Erosion Loss using ASTM C-704 Method</u>		
After 1500°F (815°C), cc loss:	5.0 cc (typical)	7.0 cc (typical)
<u>Permanent Linear Change (%)</u>		
After 1500°F (815 °C) :	0.0 to -0.3	0.0 to -0.3

Typical Chemical Analysis (%)

Al ₂ O ₃	53.7%
SiO ₂	19.5
Fe ₂ O ₃	0.2
TiO ₂	0.3
CaO	0.9
Na ₂ O	0.2
SiC	4.9
ZrO ₂	20.3

Standard Packaging: 55 lb bag; 72 bags per pallet ; bulk packaging available

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