



# PRODUCT DATA

**Brand Name:** EZ Cubed AZS

**Description:** A low cement castable, that contains an alumina-zirconia-silica (AZS) aggregate, that 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 ..... 5.3%  
 For Vibration Casting ..... 5.1%

	<u>Vibration Cast Samples</u>	<u>Pumped Cast Samples</u>
<b><u>Bulk Density (lb/ft<sup>3</sup>)</u></b>		
After 1500°F (815°C) :	180 (2880 kg/m <sup>3</sup> )	180 (2880 kg/m <sup>3</sup> )
<b><u>Cold Crushing Strength (lb/in<sup>2</sup>)</u></b>		
After 1500°F (815°C) :	12,500 (875 kg/cm <sup>2</sup> )	12,500 (875 kg/cm <sup>2</sup> )
<b><u>Erosion Loss using ASTM C-704 Method</u></b>		
After 1500°F (815°C), cc loss:	4.0 cc (typical)	5.5 cc (typical)
<b><u>Permanent Linear Change (%)</u></b>		
After 1500°F (815 °C)	-0.2	-0.2

**Typical Chemical Analysis (%)**

Al <sub>2</sub> O <sub>3</sub> .....	52.7%
SiO <sub>2</sub> .....	19.5
Fe <sub>2</sub> O <sub>3</sub> .....	0.2
TiO <sub>2</sub> .....	0.3
CaO .....	1.5
MgO .....	0.2
Na <sub>2</sub> O .....	0.2
SiC .....	4.9
ZrO <sub>2</sub> .....	20.5

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

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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**Penn Center West, Building 2 - Suite 430, Pittsburgh, PA, 15276 Phone: 888-283-5505**