



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA - TYPICAL

### REFRACTORY MORTAR

#### *TITEBOND AL (DRY)*

#### *AIR SETTING*

Classification	A high duty refractory mortar having excellent resistance to cryolitic bath in aluminum cathode refractory applications	
Service Temperature	2900°F	(1595°C)
Particle Size (Wet Screen)	99.5% passing 20 mesh (Tyler) 95% passing 35 mesh	
Bond Strength Dried at 230°F (110°C)	300-700 lbs/in <sup>2</sup>	(2.1-4.8 MPa)
Refractoriness Pier Test 2910°F (1600°C) for 5 Hours	Excellent bond strength - no flowing out of joints	
Water Retention	400+ seconds	
<u>Chemical Analysis</u>		
Silica	SiO <sub>2</sub>	81-87%
Alumina	Al <sub>2</sub> O <sub>3</sub>	10-14%
Iron	Fe <sub>2</sub> O <sub>3</sub>	1.0-1.5%

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**ALL DATA SUBJECT TO REASONABLE DEVIATION AND THEREFORE  
SHOULD NOT BE USED FOR SPECIFICATION PURPOSES**