



**CAROCAST AL**

**2020**

**CAROCAST AL** is a hydraulic setting castable exhibiting superior aluminum penetration resistance and excellent non-wetting characteristics. Resistance to penetration make this product an excellent choice for application in cruces, over the road ladles, launders aluminum holding furnaces.

Maximum recommended service temperature.....3000°F

<u>Test Temperature</u>	<u>Modulus of Rupture,</u> <u>p.s.i.</u>	<u>Cold Crushing,</u> <u>p.s.i.</u>	<u>Linear Change %</u>
220°F	700 – 900	3000 – 3500	-0.1
1000°F	400 – 500	2000 – 2500	-0.1
1500°F	400 – 500	2000 – 2500	-0.2
2000°F	350 – 500	1500 – 1900	-0.5
2500°F	900 – 1200	3200 – 3500	-0.1

**Chemical Analysis (%)**

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	58.0
Silica (SiO <sub>2</sub> ) .....	35.1
Iron (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.4
Titania (TiO <sub>2</sub> ) .....	1.8
Lime (CaO).....	3.5
Magnesia (MgO).....	0.2

Water required for mixing 4 ½ to 5 qtrs. Per 100# bag.

Material required for estimating – 140 lbs./ft<sup>3</sup>

Packaged in 100-pound bags, thirty-five bags per pallet (3500 pounds)