



CAROCON 85 XD

2019

CAROCON 85 XD is an Abrasion Resistant free flowing, 85% Alumina Castable that has maximum abrasion resistance and good flow properties. This castable should be installed by vibration casting only.

Service Temperature limit.....3200° 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	2,000	10,500	0.0
1500°F	2,500-3,000	15,000	-0.1 to -0.3
2000°F	2,500-3,000	18,000	
2500°F	2400	16,000	

Chemical Analysis (%)

Alumina (Al ₂ O ₃)	85.1
Silica (SiO ₂)	8.7
Iron (Fe ₂ O ₃)	1.7
Titania (TiO ₂)	1.8
Lime (CaO).....	1.9
Magnesia (MgO).....	.2
Alkalies.....	Trace

Abrasion Loss (using ASTM C-704 Method)

After 1500°F.....Less than 4 cc

Material required for install.....170-180lbs./ft³

Bulk Density fired..... 175 lbs./ft³

Typical Water Required for Mixing (by weight) Vibration Cast.....4.5%

Packaged in 75-pound bags, forty-eight bags per pallet (3600 pounds)