

UNI-CAST 2800

UNI-CAST 2800 is a high strength castable for general use where abrasion resistance and thermal shock resistance are required.

Service Temperature	2800°F	1540°C
Water Required to Cast	11% of dry weight	
Material Required	138 lbs/ft ³	2211 kg/m ³

TYPICAL CHEMICAL ANALYSIS, %

Al ₂ O ₃	SiO ₂	TiO ₂	Fe ₂ O ₃	CaO	MgO	Alkalies
48.5	41.2	2.1	1.0	6.5	0.2	0.3

TYPICAL PHYSICAL PROPERTIES

Pre-Fired To		Bulk Density		Cold Compressive Strength		Cold Modulus of Rupture		Total Linear Change
°F	°C	lbs/ft ³	kg/m ³	psi	MPa	psi	MPa	%
220	105	141	2260	7,500	52	1400	10	NLC
1500	815	135	2160	4,000	28	800	6	NLC
2000	1095	134	2150	3,000	21	700	5	-0.1
2732	1500	136	2180	5,300	37	1800	12	+1.0

Revision date: 04/24/2004 - Check with your URC sales rep to determine if you have the current sheet

CA2800