

PRODUCT

ULTRA-TEK 85 UL

**ULTRA-LOW CEMENT,
CASTABLE, SHOTCRETE**

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Vibration Cast Self-Leveling

Maximum Service Temperature	3250°F	3250°F
Lbs. Required Dry Mix per Cu. Ft.	181	176
% Water by Weight Required	4.5	5.5
Bulk Density After Drying at 230°F (lb./ft ³)	185	180

Modulus of Rupture (psi)

After 230°F	2,200	1,700
After 1500°F	4,000	3,500
At 2550°F	800	550

Permanent Linear Change (%)

After 1500°F	-0.1	-0.1
After 2550°F	+0.8	+0.8
After 2700°F	+0.5	+0.5

Cold Crushing Strength (psi)

After 1500°F	12,000	10,000
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ASTM C-704 Abrasion (cm³)

After 1500°F	5.0	5.5
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CHEMICAL ANALYSIS (wt. %)

Silica	[SiO ₂]	11.9%
Alumina	[Al ₂ O ₃]	83.3%
Titania	[TiO]	2.6%
Iron Oxide	[Fe ₂ O ₃]	1.0%
Lime	[CaO]	1.0%
Other		0.2%

NOTE: All data subject to reasonable deviation and should not be used for specification purposes.

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MT. SAVAGE

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