

PRODUCT

ULTRA-TEK 14
LOW CEMENT CASTABLE / PUMPABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2200°F
Lbs. Required Dry Mix per Cu. Ft.	142 lbs.
% Water by Weight Required for Pumping	6.5%
Bulk Density After Drying	145 lbs./cu.ft.

Modulus of Rupture

After Drying	1200 – 1800 psi
At 1500°F	2500 – 3300 psi

Cold Crushing Strength

After Drying at 230°F	5000 – 8000 psi
After Firing at 1500°F	6000 – 9000 psi

Permanent Linear Change

After 1500°F	0.0 to -0.4%
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CHEMICAL ANALYSIS

Silica	[SiO ₂]	50.3%
Alumina	[Al ₂ O ₃]	30.3%
Titania	[TiO ₂]	1.6%
Iron Oxide	[Fe ₂ O ₃]	6.9%
Lime	[CaO]	6.9%
Trace Minerals & Alkalis		4.0%

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

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MT. SAVAGE
SPECIALTY REFRACTORIES COMPANY • Pittsburgh, Pa. 15127 •

ULTRA-TEK 14 is low cement castable that can be installed by shotcreting, by self flow casting or with high energy vibration.

ULTRA-TEK 14 is recommended for applications requiring high intermediate temperature strength.