

PRODUCT

ULTRA-TEK FS AL
LOW CEMENT FUSED SILICA
ALUMINUM RESISTANT CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2200°F
Lbs. Required Dry Mix per Cu. Ft.	127 lbs.
% Water by Weight Required for Casting	6.0 – 6.5%
Bulk Density After Drying	131 lbs./cu.ft.
Apparent Porosity (Dried to 500°F)	14%

Cold Crushing Strength

Fired to 1500°F	6000 – 10000 psi
-----------------	------------------

Modulus of Rupture

MOR After Drying	1300 – 1700 psi
HMOR at 1500°F	1700 – 2500 psi
HMOR at 2000°F	1600 – 2200 psi
HMOR at 2200°F	1600 – 2200 psi

Abrasion Loss (after 1500°F)

7 – 12 cc

Permanent Linear Change

After 1500°F	0.0 to -0.2%
After 2000°F	0.0 to -0.4%
After 2200°F	0.0 to -0.3%

CHEMICAL COMPOSITION

Silica	[SiO ₂]	76.1%
Alumina	[Al ₂ O ₃]	18.9%
Iron Oxide	[Fe ₂ O ₃]	<0.1%
Lime	[CaO]	2.3%
Other		2.5%
Trace Minerals		0.2%

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

0511



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