



TECHNICAL DATA SHEETS

RENO PUMP 75 FS is a low cement, fused silica castable.

FEATURES:

- Very high resistance to thermal shock
- Low thermal expansion
- Good abrasion resistance
- Contains 75% fused silica
- Less than 1% crystalline silica
- Meets EXXON type 3 specifications

METHOD OF INSTALLATION

- CAST
- PUMP
- SHOTCRETE applications not directly overhead with R503 activator that must be purchased separately and is calculated at 1.5 % of product weight

SERVICE TEMPERATURE: 2,300 °F
MATERIAL REQUIRED FOR ESTIMATEING: 118 lbs./ft³
CASTING WATER: 5.5 – 6.25 %
PUMPING WATER: 6.5 – 7.25 %

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO
14	82	0.3	0.2	3.5

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Porosity %
250	1,100 – 1,650	10,100 – 13,400	0.1	---
1,000	1,140 – 1,720	7,400 – 10,500	-0.2	13.7 - 16
1,500	720 – 1,235	5,900 – 9,000	-0.3	13.5 – 15.7
2,000	700 – 1,315	6,700 – 10,600	-0.4	13.9 - 16

ABRASION RESISTANCE: <12 cc (typically 6 – 9)
THERMAL EXPANSION: 0.05% @ 1,500 °F

PACKAGING: 50 lb. Bags, 72 Per Pallet (3600 lbs.)

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.