



PLIBRICO COMPANY

REFRACTORY PRODUCT DATA SHEET

SUPER DEMON AIR SET MORTAR - WET

Product Description:

An air setting, high temperature refractory mortar. Coverage: 350-400 lb / 160-180 kg per 1000 standard firebrick.

Max. Service Limit::	2900 F / 1595 C	Density: To Place	In Service
		140 pcf	pcf
		2242 kg/m ³	0 kg/m ³
Packaging:	50 lb / 22.7 kg Pail		
Required Water:	qt. / 0 l per bag	Min. Time Before Firing:	

Chemistry - % (calcined)

Al ₂ O ₃ 42.7	CaO 0.1	SiC
SiO ₂ 51.3	MgO 0.1	ZrO ₂
Fe ₂ O ₃ 1	Alk. 3.5	Other
TiO ₂ 1.3	P ₂ O ₅	

Abrasion Loss

(ASTM C704)
1500 F / 815 C
cc

Thermal Conductivity

	btu*in/hr*ft ² *F	w / m*C
500 F / 260 C		0
1000 F / 540 C		0
1500 F / 815 C		0
2000 F / 1095 C		0

Temperature	Linear Change - %	Cold MOR	Hot MOR	CCS
	ASTM C113	psi / MPa ASTM C133	psi / MPa ASTM C583	psi / MPa ASTM C133
		0		0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0

Bake out:

ASTM classification:

Note: Data should not be used for specification purposes. Product data is periodically updated to reflect product / raw material / process changes. Please consult with your Plibrico representative to insure you have the most current data.

All data are averaged results of laboratory ASTM tests on laboratory trowelled specimens. Reasonable variations can be expected.

Thermal conductivity will vary depending upon measurement method, installed density, and thermal treatment.

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