

Plico Stix Super

Product Number 17504

Date 2/10/2014

Product Description

A general use refractory service mix for brush, trowel, or spray application. Add water for desired consistency.

Service limit - 2700°F 1,482 °C

Std. package 50 # / 22.7 kg Bag

Density to place 110 pcf 1,762 kg/m³

Water range per std. package:

Density in service 110 pcf 1,762 kg/m³

Casting to qts 0.0 to 0.0 l

Min time before firing none

Pumping to qts 0.0 to 0.0 l

Chemistry % (calcined)

Al ₂ O ₃	41.9	P ₂ O ₅	
SiO ₂	51.9	Alk.	3.1
Fe ₂ O ₃	1.2	MgO	0.2
CaO	0.1	SiC	
TiO ₂	1.6	ZrO ₂	
		Other	

Thermal Conductivity

	btu*in/hr*ff ² *°F	w/m°C
500F / 260C		0
1000F / 540C		0
1500F / 815C		0
2000F / 1090C		0

Abrasion Loss

per ASTM C 704
after 1500 F

cc

Coefficient of Thermal Expansion

(reversible)

2.7 x 10⁻⁶ in/in F

4.8 x 10⁻⁶ m/m C

Temperature per ASTM C113 / C865	Linear Change per ASTM C113 / C179	Cold MOR		CCS		Hot MOR	
		per ASTM C133 psi	MPa	per ASTM C133 psi	MPa	per ASTM C583 psi	MPa
		0.0		0			
		0.0		0		0.0	
		0.0		0		0.0	
		0.0		0		0.0	
		0.0		0		0.0	

Other Data

Heat Up Guide

ASTM Class

Note:

All data are averaged results of ASTM tests (where applicable). Reasonable variations in data can be expected. Data is not to be used for specification purposes. Product data is periodically updated to reflect product / raw material / process / testing changes. Please consult your Plico representative to make sure you have the most current data.

Plico Refractories are manufactured by Plibrico Company LLC, USA.