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Technical Data Sheet Pligun Fast Track 50

Product # 3259

Available Internationally As:

Plico Gun Mix Fast Track 50

Product Description:

A super duty, low cement gun mix which may be dried out / heated on an accelerated schedule and minimum cure time.

Standard Packaging:	55 # /	25 kg Bag
Shelf Life:	9 months	
Service Limit:	3000 °F	1650 °C
Contact Limit:	N/A °F	N/A °C
Bulk Density - In Service:	141 pcf	2259 kg/m ³
Bulk Density - To Place:	141 pcf	2259 kg/m ³
Minimum Time To Firing:	4 hr	

Abrasion Loss after 1500°F / 815°C per ASTM C704

9 cc

Chemistry (calcined) %					
Al ₂ O ₃	51.7	Alk	0.2	MgO	0.1
SiO ₂	41.8	TiO ₂	1.9	ZrO ₂	
CaO	2.5	P ₂ O ₅		Other	
Fe ₂ O ₃	0.8	SiC			

Water Range Per Standard Package		%	Quarts	Liters
Vib Casting	min			
	max			
Casting	min			
	max			
Pumping	min			
	max			

Coefficient of Thermal Expansion (reversible):

3.2 x 10⁻⁶ in/in/°F / 5.8 x 10⁻⁶ mm/mm/°C

Thermal Conductivity	btu*in/hr*ft ² *°F	W/m°C
500°F / 260°C	7.3	1.05
1000°F / 540°C	7.4	1.07
1500°F / 815°C	8.0	1.15
2000°F / 1090°C	7.9	1.14

Temperature		Linear Change% per ASTM C113	CCS per ASTM C133		Cold MOR per ASTM C133		Hot MOR per ASTM C583	
°F	°C		psi	MPa	psi	MPa	psi	MPa
230	110	0.0	3500	24.0	2000	13.8		
1500	820	-0.4	7500	52.0	1500	10.3	1700	11.7

Other Data:

Release Date: 8 Sep 2020

Heat Up Guide: Schedule FT

ASTM Class: C 401 Class E

Low Cement Castable

Refractory material should be stored in a cool, dry environment.

Note: All data are averaged results of ASTM tests (where applicable) on laboratory specimens. 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 and/or testing changes. Please consult your Plibrico representative to make sure you have the most current data.