



Insulating Castables

Cast Data

QUIKLITE 3

QUIKLITE 3 is a lightweight insulating castable formulated for a rapid heatup, without using the traditional ramp-and-hold heating schedule. This material can be used as an original lining material or as a replacement for refractory ceramic fiber. **QUIKLITE 3** can be installed by casting or gunning.

Maximum Service Temperature: 2400°F (1316°C)

Bulk Density:
After 1500°F (815°C): 60 pcf (960 kg/m³)

Cold Crushing Strength:
After 1500°F (815°C) 400-700 psi (28 - 49 kg/cm²)

Modulus of Rupture:
After 1500°F (815°C) 100-200 psi (7-14 kg/cm²)

Permanent Linear Change(%):
After 1500°F (815°C) -0.6 to -0.2
After 2000°F (1095°C) -0.8 to -0.4

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
500°F (260°C)	1.70	0.25
1000°F (540°C)	1.65	0.24
1500°F (815°C)	1.80	0.26

Typical Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
31.8	48.3	2.8	14.8	0.1	0.6	1.6

Standard Packaging: 50-50 lb. bags per pallet (bulk packaging available)

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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02/29/08 is the date that this data sheet was updated. Check with your RESKO sales representative or RESKO website to determine you have the current sheet

GUNNED DATA SHOWN ON PAGE 2



Insulating Castables - page 2

Gunned Data

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GUNNED DATA

Data shown are the average results of tests following the guidelines set forth in ASTM C-903, "Preparing Refractory Castable Specimens by Cold Gunning." Results will vary subject to normal variations in manufacturing, testing and installation procedures in the field.

<u>Maximum Service Temperature:</u>	2400°F (1316°C)	
<u>Bulk Density:</u> After 1500°F (815°C)	70-80 pcf (1120-1280 kg/m ³)	
<u>Cold Crushing Strength:</u> After 1500°F (815°C)	500-900 psi (35-63 kg/cm ²)	
<u>Modulus of Rupture:</u> After 1500°F (815°C)	300-500 psi (21-35 kg/cm ²)	
<u>Permanent Linear Change(%):</u> After 1500°F (815°C) After 2000°F (1095°C)	-0.3 to -0.7 -0.5 to -1.1	
<u>Thermal Conductivity or "K" Factor:</u>		
Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
500°F (260°C)	1.85	0.27
1000°F (540°C)	1.90	0.27
1500°F (815°C)	2.35	0.34