

Data sheet

Firelite LW

ENGLISH

Metric information

Contact
Description

A low lime castable for service up to 1100°C/2000°F for applications similar to those of Firelite 2200 LL concrete.

CHARACTERISTICS	
Bond Type	Hydraulic
Raw Material Base	Insulating Aggregate
Maximum Grain Size (mm)	6
Maximum Service Temperature (°C)	1320
Bulk Density Dried to 110°C (kg/m ³)	1200
Net Material Required (kg/m ³)	1150

PHYSICAL PROPERTIES		
Test Temperature (°C)	Cold Crushing Strength (N/mm ²)	Permanent Linear Change (%)
110	4.3	
815	3.2	-0.2
1000	2.8	-0.3
MST	3.9 (1200)	-1 (1300)

TYPICAL CHEMICAL ANALYSIS (%)	
Al ₂ O ₃	46.2
SiO ₂	34.3
Fe ₂ O ₃	4.7
TiO ₂	1.4
CaO	10.1
Na ₂ O + K ₂ O	1.5

PACKAGING SIZE (kg)	
Bag Weight	25
Pallet Size	1050

THERMAL CONDUCTIVITY ASTM C417		
W/mK		
@ mean temp		
	200°C	0.28
	400°C	0.3
	600°C	0.33
	800°C	0.35
	1000°C	0.38
	1200°C	

WATER ADDITION	
% by weight	50

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The values given herein are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations.

They are supplied as a technical service and are subject to change without notice.

Therefore the data contained herein should not be used for specification purposes.

Check with your Thermal Ceramics office to obtain current information or a Compliance Data Sheet where guaranteed property specifications are required.

Before using these materials, it is strongly recommended that the installer consults Thermal Ceramics manual "storage and installation manual" copies of which are obtainable from Thermal Ceramics offices or distributors.

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