

## Data sheet

## Firelite LW HS G

ENGLISH

Metric information

## Contact

## Description

Low Lime. A gunnable version of Firelite LW HS concrete. Conforms to class Q;  
ASTM classification C-401-84.

CHARACTERISTICS	
Bond Type	Hydraulic
Raw Material Base	Insulating Aggregate
Maximum Grain Size (mm)	4
Maximum Service Temperature (°C)	1320
Bulk Density Dried to 110°C (kg/m <sup>3</sup> )	1430
Net Material Required (kg/m <sup>3</sup> )	1330

PHYSICAL PROPERTIES		
Test Temperature (°C)	Cold Crushing Strength (N/mm <sup>2</sup> )	Permanent Linear Change (%)
110	14.7	0 to -0.2
815	11.8A low lime, highly insulating concrete for service up to 1200°C/2200°F. Can be cast or gunned. Particularly recommended for applications where sulphur is evident in the fuel used.	-0.2
1315		-1.5 (1315)

TYPICAL CHEMICAL ANALYSIS (%)	
Al <sub>2</sub> O <sub>3</sub>	40
SiO <sub>2</sub>	36.2
Fe <sub>2</sub> O <sub>3</sub>	6.8
TiO <sub>2</sub>	1.1
CaO	11.8
Na <sub>2</sub> O + K <sub>2</sub> O	1.3

PACKAGING SIZE (kg)	
Bag Weight	30
Pallet Size	1260

THERMAL CONDUCTIVITY ASTM C417		
W/mK		
@ mean temp		
	200°C	0.31
	400°C	0.33
	600°C	0.36
	800°C	0.38
	1000°C	0.41
	1200°C	

WATER ADDITION	
% by weight	44
Volume per Bag (lt)	7.8
Bag Weight (kg)	30

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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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