

## Data sheet

 Firelite<sup>®</sup> LOD SW HT

ENGLISH

Metric information

## Contact

## Description

An insulating concrete based on low bio-persistent fibres for service up to 1200°C/2200°F, expressly designed to withstand thermal shock; it has extremely low thermal conductivity. Particularly recommended for the following applications: by casting: special shapes to complete fibre lining of heaters and furnaces; kiln car tops for rapid firing in ceramic industry; by trowelling: lining of launders and distributors in primary aluminium industry; lining of ladles in secondary aluminium industry.

CHARACTERISTICS	
Bond Type	Hydraulic
Raw Material Base	Soluble Glass Fibre
Maximum Grain Size (mm)	10
Maximum Service Temperature (°C)	1200
Bulk Density Dried to 110°C (kg/m <sup>3</sup> )	980
Net Material Required (kg/m <sup>3</sup> )	900

PHYSICAL PROPERTIES		
Test Temperature (°C)	Cold Crushing Strength (MPa)	Permanent Linear Change (%)
110	1.5	
815	1.2	-0.2
MST		-1.0

PACKAGING SIZE (kg)	
Bag Weight	25
Pallet Size	1050

THERMAL CONDUCTIVITY ASTM C417		
W/mK		
@ mean temp		
200°C		0.17
400°C		0.20
600°C		0.22
800°C		
1000°C		
1200°C		

WATER ADDITION	
% by weight	60-85

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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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