

Firelite® LOD SW HT

“Lightweight insulating cement”

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 the primary aluminium industry, lining of ladles in the secondary aluminium industry.



Main Properties	Firelite® LOD SW HT
Temperature Limit, °C	1200
Basic Raw Material	Soluble Fiber
Maximum Grain Size, mm	10
Bulk Density Dried to 110 °C, kg/m ³	980
Net Material Required, kg/m ³	900
Cold Crushing Strength, MPa	
110 °C	1.5
815 °C	1.2
Permanent Linear Change, %	
815 °C	-0.2
MST	-1.0
Thermal Conductivity, W/m.K (ASTM C-417)	
200 °C	0.17
400 °C	0.20
600 °C	0.22
Water Addition, % by weight	60-85
Packaging in kraft bags, kg	25

The values given herein are typical average values obtained in accordance with standard test methods and subject to normal manufacturing variations. They are supplied as technical data and may change without notice. Contact our company to obtain detailed information.