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ALUCAST SHD
Light concrete WITHOUT ceramic fibre
TECHNICAL DATA SHEET

Main Component :	Aluminium Silicate		
Maximum use temperature:	[°C]		1050
Melting point:	[°C]		>1200
Chemical analysis:	[%]		Al ₂ O ₃ +TiO ₂ : 18÷20
	[%]		CaO: 15÷17
	[%]		SiO ₂ : 62÷65
Water quantity:	[L/100 material]	kg dry	41÷43
Density after drying at 1000 °C:	[kg/m ³]		1200
Thermal conductivity:	[W/(m·K)]		110 [°C]: 0.47
	[W/(m·K)]		700 [°C]: 0.41
Thermal expansion at 1000 °C:	[%]		0.5
Expansion (+) or shrink (-) after firing at:	[%]		150 [°C]: -0.15
	[%]		700 [°C]: -0.50
Compressive strength after curing:	[N/mm ²]		13,73
Compressive strength after firing at:	[N/mm ²]		700 [°C]: 20,6
Application:	Vibration casting		
Drying and firing (thickness < 100mm):	Firing at 30 °C/h till 150 °C. Stop firing for 10 h at 150 °C.		

NOTES:

Packing: Polythene bags of 25 kg on Euro-pallets of 625 kg

Preservation: 12 months in its own packing and far from heat sources

Main appliances:

- Coating of ladles, channels and special pieces for aluminium.

Considering the quality of the raw materials, there can be slight differences in the above data which do not commit our technical department.

We reserve the right to change some of the above data without previous information and according to our unobjectionable judgement.