

# Technical Data Sheet

Refractories / Mortar



## CA 337

Product type	: Alundum Castable Cement
Classification	: Fused alumina
Type of bond	: ceramic
As-delivered condition	: Dry mix
Packaging	: 25 kg polyethylene bags
Shelf life	: 9 months under normal storing conditions
Processing method	: Casting
Water addition	: 9 – 11 %
Max. grain size	: 20 F
Max. service temperature	: 1760°C
<b>Installation Procedure</b>	: <b>Bulletin MM-AP-IT 3</b>

CA 337 is a fused alumina cement designed for lining ferrous and non-ferrous induction melting furnaces. This versatile castable can be used for general foundry use, including special shapes and doors. It is excellent as a coil grout / encapsulating medium for induction furnace coils because of its resistance to molten metal, its strength and its high electrical resistivity.

Technical data	Value	Unit	Standard
<b>Chemical Analysis</b>			
Al <sub>2</sub> O <sub>3</sub>	92,0	%	DIN EN ISO 12677
SiO <sub>2</sub>	1,0	%	
Fe <sub>2</sub> O <sub>3</sub>	0,3	%	
CaO	4,6	%	
Others	2,1	%	
<b>Physical Properties</b>			
Dry rammed density	3,08	g/cm <sup>3</sup>	DIN EN 1402-6
Porosity after firing at 1400 °C	29	%	
Shrinkage cast and dried	0	%	
after firing at 1310°C	0,2	%	
Cold Crushing Strength	24	MPa	
Thermal conductivity (at 1760°C)	2,09	W/mK	
<b>Setting time</b>			
Stiffens	1	hour	
Initial set	5	hours	
Final set	24	hours	

Status 11.2011

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The indicated values are statistic average values which were determined according to ASTM / DIN- / BS-test procedures. The values are related to standard shapes. The values cannot be transferred to special shapes.

The ultimate use temperature relate to one-sided thermal wear, continuous operation and dry heat. Slag attacks and oxidizing atmosphere influences like steam can have an adverse effect on the use temperature.

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DQS – certified according  
 ISO 9001 (Reg-No. 000195 QM08)  
 ISO 14001 (Reg-No. 000195 UM)  
 BS OHSAS 18001 (Reg-No. 000195 B SOFT)

  
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