



ALMATIS

PREMIUM ALUMINA



Product Data Sheet

Calcium Aluminate Cement CA-680

Product Properties

- CA-680 is a high purity Calcium Aluminate Cement with 80% alumina content
- CA-680 is suitable for applications in conventional castables and low cement castables containing citric acid as additive
- Good workability
- Low water demand
- Available in big bag and bulk silo truck

Chemical Composition		Typical
Al ₂ O ₃	[%]	81
CaO	[%]	18
Na ₂ O	[%]	0.8
SiO ₂	[%]	0.1
Fe ₂ O ₃	[%]	0.05
MgO	[%]	0.2
Fineness (Cilas)		
-45 μm	[%]	85
d50	μm	7

All data are based upon Almatis standard test methods.
The typical properties are based upon the actual averages from production data.

Think alumina, think Almatis.

PP-RCP/050/R00/0916/SDS 993



Cement Properties in NORTAB Mortar

Water addition: 10%		
Vicat Setting Time		Typical
Initial Set	[min]	110
Final Set	[min]	130
Exothermic Reaction Time		
EXO Max	[min]	350
Vibration Flow		
F10	[cm]	18
F30	[cm]	18
F60	[cm]	16
Cold Modulus of Rupture (CMoR)		
24 h Cured 20 °C	[MPa]	5
24 h Dried 105 °C	[MPa]	9
5 h Fired 1000 °C	[MPa]	4
Cold Crushing Strength (CCS)		
24 h Cured 20 °C	[MPa]	23
24 h Dried 105 °C	[MPa]	57
5 h Fired 1000 °C	[MPa]	31

Packaging available

1 mt big bags



Contacts for sales, technical information and application assistance



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SDS 993