

GUN C 20 & CAST BETON N

Alumina – Silica Product
Regular Castable



Calderys
GUN C 20 CAST BETON N

Max. Recommended Temperature:	°C	1350	1350
.....	°F	2462	2462

Chemical Analysis:	SiO ₂ (Silicon Dioxide)	%	47.5	46.0
EN ISO 1927-3	Al ₂ O ₃ (Aluminium Oxide)	%	37.0	39.0
	Fe ₂ O ₃ (Iron Oxide)	%	4.7	4.7
	CaO (Calcium Oxide)	%	8.0	8.0

Physical properties

- measured on samples prepared by gunning:
- measured on samples prepared according to:

CALD 010

EN ISO 1927-5

Bulk Density:	after drying at 110°C.....	g/cm ³	2.05	2.02
EN ISO 1927-6	after firing at 800°C.....	g/cm ³	1.95	1.93

Cold Crushing Strength:	after drying at 110°C.....	MPa	40	35
EN ISO 1927-6	after drying at 800°C.....	MPa	25	25
	after drying at 1200°C.....	MPa	20	25
	after drying at 1300°C.....	MPa	25	30

Permanent Linear Change:	after firing at 800°C.....	%	-0.1	-0.1
EN ISO 1927-6	after firing at 1200°C.....	%	-0.2	-0.2
	after firing at 1300°C.....	%	-0.1	+0.5

Thermal Conductivity:	at a mean temp. of 800°C.....	W/mK	0.88	0.86
EN ISO 1927-8	at a mean temp. of 1000°C...	W/mK	0.94	0.92
	at a mean temp. of 1200°C...	W/mK	1.11	1.09

Reversible Thermal Expansion after firing:	%	0.60	0.61
(20-1000°C)			

p.t.o

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Main component:		Chamotte	Chamotte
Type of bond:		Hydraulic	Hydraulic
Appearance:		Dry, for add. of water	Dry, for add. of water
Packaging:		Sacks	Sacks
Shelf life:		12 months	12 months
Installation method:		Gunning	Vibrating
Maximum grain size:		6 mm	6 mm
Material required:		2.25 T/m ³	1.95 T/m ³
		(Rebound included)	
Drinking water required for mixing on site:		Added at the nozzle	13.5/16.2 litres per
			100 kg of dry material
Guidelines:		Installation No. 23	Installation No. 5

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