GUN C 20 & CAST BETON N

Alumina – Silica Product
Regular Castable

simonsen®

			Calderys GUN C 20	Calderys CAST BETON N
Max. Recommended Temperature:		°C	1350	1350
		°F	2462	2462
Chemical Analysis: *EN ISO 1927-3*	SiO_2	(Silicon Dioxide) %	47.5	44.5
	Al_2O_3	(Aluminium Oxide) %	38.5	39.5
	Fe_2O_3	(Iron Oxide) %	4.8	4.5
	CaO	(Calcium Oxide) %	8.1	8.1
Physical properties				
- measured on samples prepared by gunning:			CALD 010	
- measured on samples prepared according to:				EN ISO 1927-5
Bulk Density: *EN ISO 1927-6*	after drying at 110°C	g/cm³	2.05	2.02
	after firing at 800°C	g/cm³	1.95	1.93
Cold Crushing Strength: *EN ISO 1927-6*	after drying at 110°C	MPa	40	35
	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: *EN ISO 1927-6*	after firing at 800°C	%	-0.1	-0.1
	after firing at 1200°C	%	-0.2	-0.2
	after firing at 1300°C	%	-0.1	+0.5
Thermal Conductivity: *EN ISO 1927-8*	at a mean temp. of 800°C	W/mK	0.88	0.86
	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: (20-1000°C)		%	0.60	0.61

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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/m³ (Rebound included)	1.95 T/m³
Drinking water required for mixing on site:	Added at the nozzle	13.6/16.4 litres per 100 kg of dry material
Guidelines:	Installation No. 23	Installation No. 5

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