

# Monolithics

# Monolithics

PRODUCT NAME	TYPE OF PRODUCT	CHEMICAL ANALYSIS							MAXIMUM OPERATING TEMPERATURE (°C)	GRAIN SIZE (mm)	PHYSICAL PROPERTIES				THERMAL CONDUCTIVITY AT				WATER REQUIRED PER PACKAGING (liters)	PACKAGING (kg)
		Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	SiC	CaO	Fe <sub>2</sub> O <sub>3</sub>	K <sub>2</sub> O+Na <sub>2</sub> O	P <sub>2</sub> O <sub>5</sub>			Bulk density After drying at 110 °C (kg/m <sup>3</sup> )	Cold crushing strength After drying at 110 °C (MPa)	After firing at (°C) (MPa)	Permanent linear change After firing at (°C) (%)	500 °C (W/mK)	800 °C	1000 °C	1200 °C		
<b>CONVENTIONAL CASTABLES</b>																				
530 SOLCAST	Alkali resistant conventional castable based on chamotte	24	60		9.0	2.0			1300	0-5	2030	50	100 (1200)	-0.1 (1200)	1.0	1.0	1.0	1.0	2.7-3.2	25
522 VICTOR KORUND ES QF	Conventional castable based on tabular alumina	94			5.8	0.1			1800	0-7	2750	100	40 (1700)	± 0.0 (1700)	2.7	2.3	2.2	2.2	2.2-2.5	25
<b>LOW CEMENT CASTABLES</b>																				
562 DENSCAST SICTO	Low cement castable based on silicon carbide	18		56	2.2	0.5			1550	0-5	2500	60	125 (1200)	+0.3 (1400)	5.5	4.6	5.5	5.8	1.5-1.7	25
561 DENSCAST SiC 30	Low cement castable based on silicon carbide and chamotte	34		32	2.0	1.0			1500	0-5	2400	35	80 (1000)	± 0.0 (1200)	3.6	3.7	3.8	3.8	1.5-1.7	25
DENSCAST AXL QF	Castable based on andalusite and silicon carbide	50	34	10	3.2	1.0			1600	0-5	2460	130	85 (1200)	-0.1 (1200)	1.9	1.8	1.8	1.8	1.5-1.8	25
544 DENSCAST 50 A QF	Alkali resistant low cement castable based on chamotte	52	45		1.6	0.8			1500	0-5	2400	75	115 (1000)	-0.1 (1000)	1.4	1.5	1.5	1.6	1.4-1.6	25
552 DENSCAST 60 QF	Low cement castable based on chamotte and andalusite	61	34		1.4	0.7			1650	0-5	2500	45	140 (1000)	-0.2 (1000)	2.1	1.7	1.7	1.8	1.3-1.5	25
547 DENSCAST 80 QF	Low cement castable based on tabular alumina	78	19		1.5	0.5			1750	0-5	2700	80	120 (1000)	-0.2 (1000)	2.6	2.1	2.1	2.1	1.3-1.5	25
<b>INSULATING CASTABLES</b>																				
VICTOR INSUL 1050	Insulating conventional castable based on vermiculite (gunning possible)	22	41		17.5	9.0			1050	0-3	510		0.8 (1000)	-2.0 (1000)	0.1	0.2	0.2	n/a*	12.0-14.5	12.5
VICTOR INSUL 1150	Insulating conventional castable based on vermiculite (gunning possible)	30	31		22.0	7.5			1150	0-4	730		1.9 (1000)	-1.4 (1000)	0.2	0.2	0.2	n/a*	12.4-14.0	20
612 VICTOR INSUL G	Insulating conventional castable based on porous chamotte	42	42		10.0	2.5			1300	0-5	1600	20	15 (1200)	-0.8 (1200)	0.6	0.6	0.6	0.7	5.0-6.3	20
<b>GUNNING MIXES</b>																				
VICTOR GUN 65	Cement bonded gunning mix based on chamotte and bauxite	62	27		7.1	1.2			1650	0-5	2330	65	34 (1200)	-0.4 (1200)	0.9	1.1	1.1	1.3	Added at the nozzle	25
580 SICTOGUN 30	Cement bonded gunning mix based on silicon carbide and chamotte	25		30	3.7	1.5			1400	0-5	2000	20	20 (1000)	-0.5 (1000)	1.8	1.9	2.0	2.0	Added at the nozzle	25
579 SICTOGUN 60	Cement bonded gunning mix based on silicon carbide	9		71	2.8	0.5			1350	0-5	2100				1.9	2.0	2.5	3.0	Added at the nozzle	25
<b>LOW CEMENT GUNNING MIXES</b>																				
DENSGUN 50 A	Alkali resistant low cement gunning mix based on chamotte	51	45		1.8	0.6			1500	0-5	2400	75	75 (1200)	-0.2 (1200)	1.9	1.7	2.0	2.0	Added at the nozzle	25
DENSGUN SiC 30	Low cement gunning mix based on silicon carbide and chamotte	34	27	32	1.7	1.0			1500	0-5	2250	50	80 (1000)	-0.2 (1200)	3.6	3.7	3.8	3.8	Added at the nozzle	25
DENSGUN SICTO	Low cement gunning mix based on silicon carbide	18	21	56	2.2	0.5	0.4		1550	0-5	2450	60	100 (1000)	+ 0.3 (1480)	5.5	4.6	5.5	5.6	Added at the nozzle	25
<b>SHOT CRETE</b>																				
HB SHOTCAST SiC 30	Low cement shotcast castable based on silicon carbide and chamotte	57	7	30	1.5	0.2			1700	0-7	2900	90	120 (1100)	± 0.0 (800)	3.6	3.7	3.8	3.8	1.5-2.0	25/1000
<b>MORTAR</b>																				
210 VICTOR H-15	Water glass bonded dry cement based on chamotte	38	54		0.4	1.8	4.5		1300	0-0.5									6.0	25
232 VICTOR T	Phosphate bonded dry cement based on bauxite	80	10			1.0		2.8	1800	0-0.5									5.0	25

All data are subjected to reasonable variations  
 Test are conducted according to approved industry standard  
 QF = Organic fibre addition  
 n/a = not available. Max service temperature 1050 resp 1150

2011-02





## Our offices

### HEAD OFFICE:

Höganäs Bjuf AB | Box 502 | SE-267 25 Bjuv | Sweden  
Phone: +46 42 855 00 | Fax: +46 42 855 66

Höganäs Bjuf Eastern Europe  
Branch Office Poland  
ul. Lipowa 3  
PL-44-100 Gliwice  
Poland

Höganäs Bjuf Asia Pacific Sdn. Bhd.  
No. 11-5, Block E2  
Jalan PJU 1/42A, Dataran Prima  
47301 PETALING JAYA  
Selangor, Malaysia

Höganäs Bjuf Middle East Ltd.  
5, Omirou Ave.  
(5th floor) Optical House  
CY-1097 Nicosia, Cyprus

[www.cement.hoganasbjuf.com](http://www.cement.hoganasbjuf.com)

Höganäs Bjuf AB Russia  
Tel./Fax: + 7 495 925 77 42  
Mob.: + 7 916 143 20 13  
E-mail: [Andrey.Spitsin@hoganasbjuf.se](mailto:Andrey.Spitsin@hoganasbjuf.se)

Höganäs Bjuf France SARL  
318 Chemin des Ecoliers  
FR-06730 ST.ANDRE  
France

Höganäs Bjuf Germany GmbH  
Mühlengeist 11  
DE-59320 ENNIGERLOH  
Germany

[cement@hoganasbjuf.se](mailto:cement@hoganasbjuf.se)