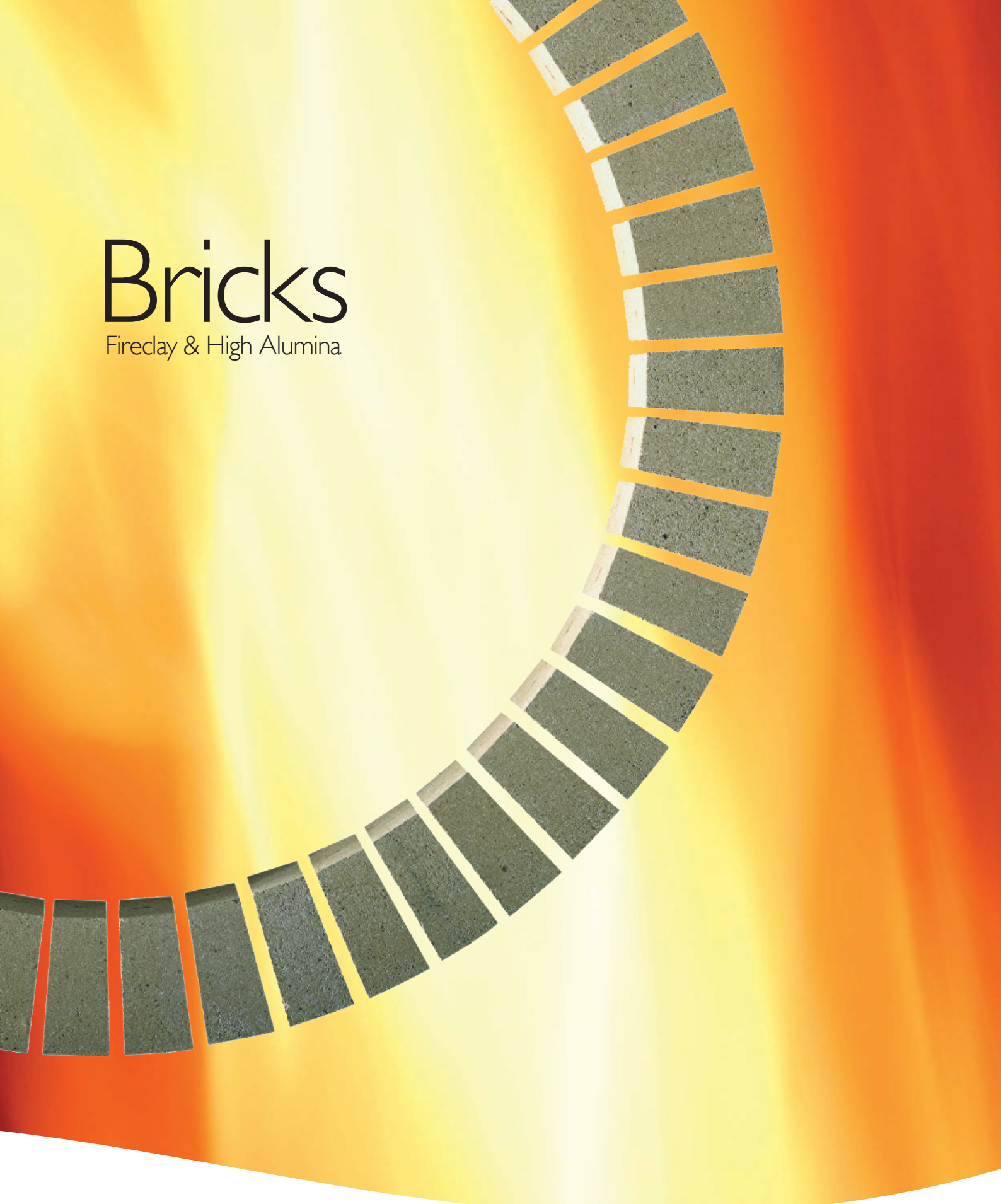


# Bricks

Fireclay & High Alumina



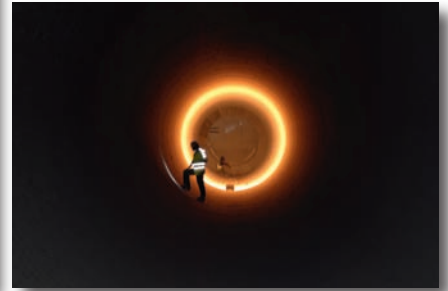
# Bricks

Fireclay & High Alumina

PRODUCT NAME	TYPE OF PRODUCT	CHEMICAL ANALYSIS								PHYSICAL PROPERTIES			REFRACTORINESS UNDER LOAD		THERMAL SHOCK RESISTANCE	PERMANENT LINEAR CHANGE AT		LINEAR THERMAL EXPANSION AT 1000 °C	THERMAL CONDUCTIVITY AT			
		Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO+MgO	K <sub>2</sub> O+Na <sub>2</sub> O	P <sub>2</sub> O <sub>5</sub>	SiC	Bulk density	Apparent porosity	Cold crushing strength	T <sub>05</sub>	T <sub>5</sub>		1400 °C/5 hours	1600 °C/5 hours		500 °C	750 °C	1000 °C	1250 °C
Unit		%								g/cm <sup>3</sup>	%	MPa	°C		(cycles)	%		%	(W/mK)			
<b>FIRECLAY</b>																						
VIKING 330	Alkali resistant brick based on fireclay	35	1.8	59	1.7	0.8	1.6		2.15	18	40	1330	1430	>30	-1.0		0.4	1.8	1.7	1.7	1.8	
VIKING 450	Alkali resistant brick based on fireclay	45	1.0	51	1.2	0.6	1.2		2.25	18	40	1350	1450	>30	±0.0		0.5	1.6	1.7	1.7	1.8	
ALEX	Fireclay brick boosted with bauxite	54	2.1	40	1.4	0.9	1.3		2.32	19	50	1380	1470	>30	+0.6		0.6	1.8	1.6	1.5	1.6	
BJUF SX	Plastic shaped alkali resistant brick based on fireclay	35	1.8	59	1.5	0.9	1.6		2.10	18	60	1330	1460	>30	-0.5		0.5	1.7	1.7	1.9	2.0	
<b>HIGH ALUMINA</b>																						
VICTOR 60 RK	Phosphate bonded fired high alumina brick based on bauxite	62	2.3	31	1.5	0.7	0.7	1.6	2.40	18	90	1380	1550	>30		+3.1	0.5	1.9	2.0	2.1	2.2	
VICTOR 70 RK	Phosphate bonded fired high alumina brick based on bauxite	74	2.6	19	1.6	0.5	0.6	1.6	2.60	17	75	1500	1590	>30		+5.0	0.6	2.4	2.4	2.6	2.1	
VICTOR 80 RK	Phosphate bonded fired high alumina brick based on bauxite	83	3.0	10	1.2	0.6	0.6	1.6	2.75	18	80	1400	1560	>30		+1.5	0.5	1.8	2.3	2.6	2.2	
<b>CERTAIN APPLICATIONS</b>																						
VICTOR HWL	High Alumina brick based on dense synthetic chamotte	58	2.0	38	1.0	0.3	0.3		2.42	17	70	1500	1650	>30		+0.7	0.4	1.7	1.8	1.9	2.0	
VICTOR HWM	High alumina brick based on bauxite	79	2.2	17	1.0	0.3	0.5		2.70	18	80	1400	1590	>30		+4.0	0.6	1.8	1.9	2.1	2.0	
<b>SIC BOOSTED</b>																						
ALSIC 500 *	Alkali resistant fire clay brick boosted with bauxite and silicon carbide	50	1.4	37	1.3	0.3	1.0	9.0	2.35	19	50	1350	1500	>30	+0.6		0.5	2.0	2.5	3.0	3.5	
ALSIC 4000 *	Alkali resistant andalusite brick boosted with silicon carbide	38	0.2	34	0.9	0.5	0.4	26	2.50	16	45	1500	1650	>30	+1.4		0.5	2.5	4.0	4.5	5.0	

Above data are average values.  
 The values for the physical properties are valid for pressed normal bricks or similar formats.  
 Test are conducted according to DIN standards.  
 \* Note: Structural dark discolorations may typically occur.  
 Date 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)