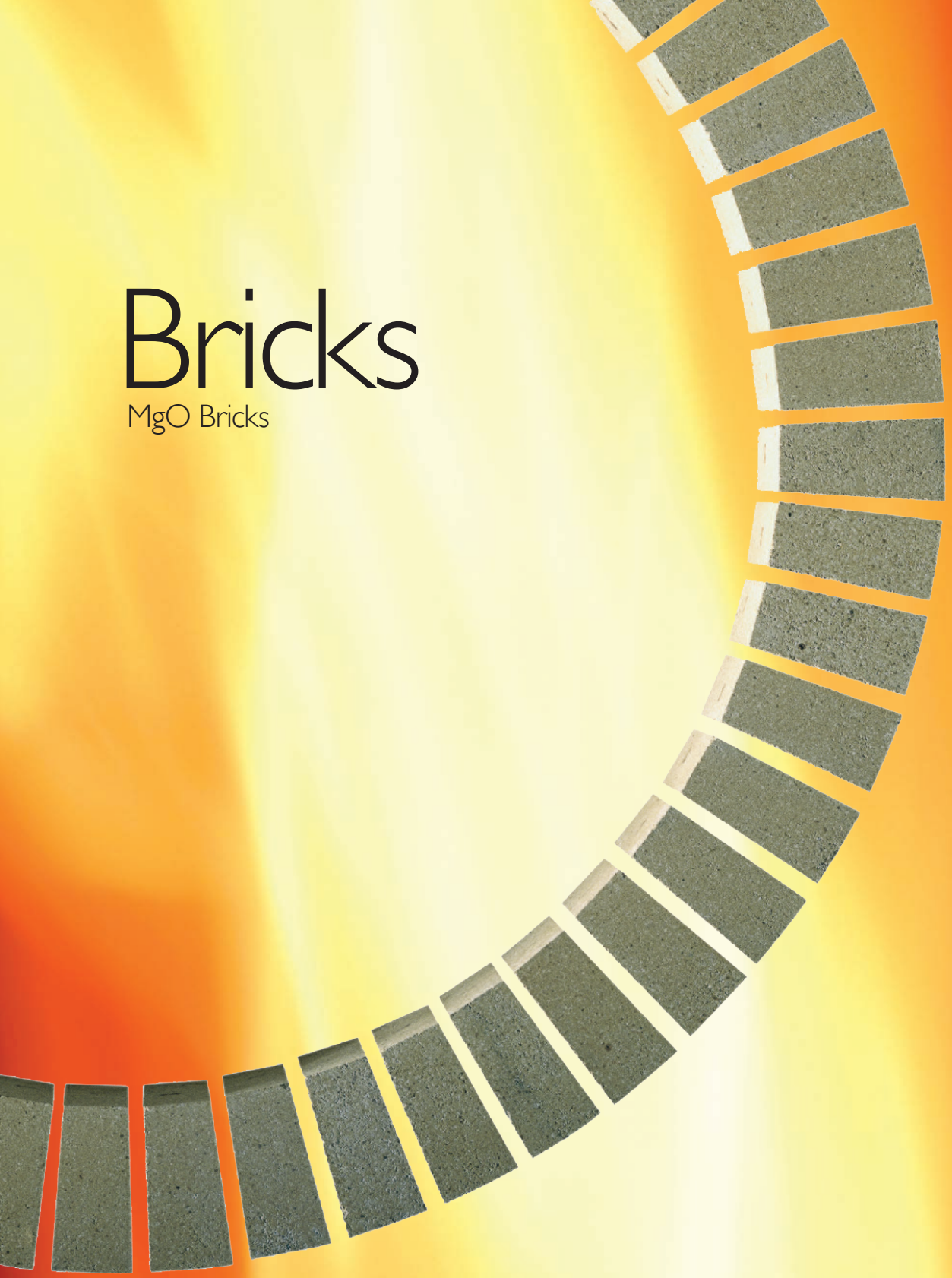
Bricks

MgO Bricks



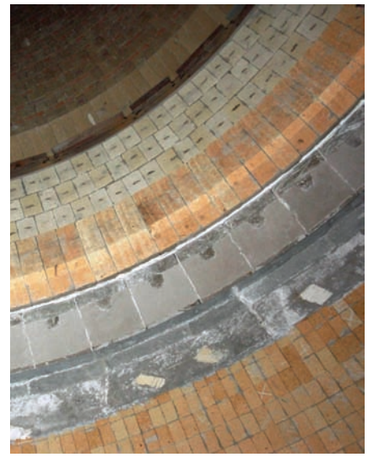
Höganäs Bjuf
Refractories

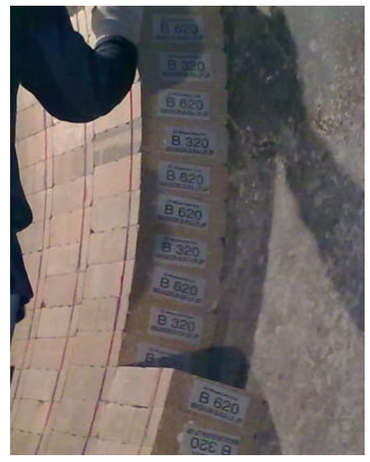
Bricks

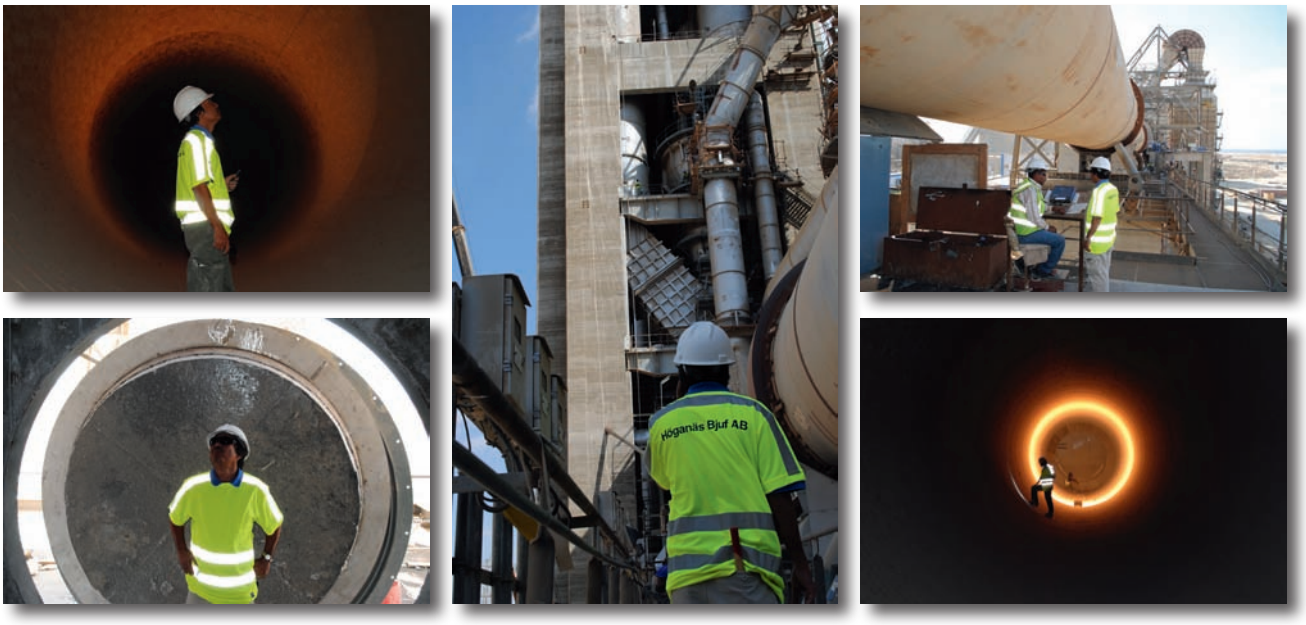
MgO Bricks

PRODUCT NAME	TYPE OF PRODUCT	CHEMICAL ANALYSIS							PHYSICAL PROPERTIES			HOT MODULS OF RUPTURE	THERMAL SHOCK RESISTANCE	PERMEABILITY	LINEAR THERMAL EXPANSION AT 1400 °C	COLD MODULUS OF ELASTICITY
		MgO	Cr_2O_3	Al_2O_3	Fe_2O_3	SiO_2	CaO	$Zr0_2$	Bulk density	Apparent porosity	Cold crushing strength	1200°C x 3 hours				
Unit		(%)							(g/cm³)	(%)	(MPa)	(MPa)	(cycles)	(cD)	(%)	(GPa)
MAGNESIA SPINEL BRICKS																
MAGKOR-D-LE	Fired magnesia spinel refractory brick, with favours coating development.	86,0/89,0		6,5/9,5	<2,20	<1,50	<0,60		2,90	18,5	67,0	>5,0	> 40	30	1,87	25
MAGKOR-S20-LE	Fired magnesia spinel brick with low elastic modulus and high resistance to thermal shock. Favours coating development.	81,0/85,0		11,0/15,0	<1,80	<1,40	<0,70		2,97	16	67	>5,0	>40	32	1,65	20
MAGKOR-B	Fired chromite ore free magnesia spinel refractory brick, volumetrically stable, low Fe_2O_3 and SiO_2 content, with high resistance to thermal shock and redox atmosphere.	83,0/87,0		11,0/15,0	<0,60	<0,40	<1,00		2,96	15,5	70	>6,0	>40	30	1,70	25
MAGKOR-B-RA	Fired chromite ore free magnesia spinel refractory brick with high abrasion and clinker liquid phase corrosion resistance.	92,0/93,0		5,0/8,0	<0,55	<0,40	<1,00		2,95	15,5	80	>5,0	>40	20	1,80	32
MAGKOR-B-LP	Fired magnesia spinel brick with a very low permeability to vapours, gases and clinker liquid phase infiltration.	83,0/87,0		11,0/15,0	<0,50	<0,40	<1,00		3,02	13,5	90	>8,0	>40	15	1,80	32
MAGKOR-B-LE	Fired magnesia spinel brick with high resistance to thermal shock. Low elastic modulus.	85,5/92,5		6,0/9,0	<0,60	<0,40	<1,00		2,95	15,7	67	>6,0	>40	25	1,75	30
MAGKOR-DB	Special direct bonded brick, with high hot modulus of rupture. High resistance to clinker liquid phase corrosion indicated for kilns burning different alternative fuels with great variability.	83,0/87,0		10,5/13,5	<0,60	<0,40	<0,90	1,5/2,5	3,03	14,5	55	>10,0	>40	>50	1,79	17
MAGKOR-B-RA-LP	Improved version of MAGKOR-B-RA with very low gas permeability. High refractoriness.	87,5/91,5		7,0/11,0	<0,50	<0,40	<1,00		2,97	15,5	85	>5,0	>40	10	1,74	30
MAGKOR-B-XE	Special magnesia spinel brick that can absorb alkali salts without a risky increase of elastic modulus. Indicated where there is a request for more elastic brick working under high mechanical stress.	82,0/86,0		12,0/16,0	<0,60	<0,40	<1,00		2,94	16	65	>5,0	>40	36	1,70	20
MAGKOR-XLP	Special version of MAGKOR-B-LP with additives to seal open pores and keep it structural flexibility. Recommended for production of special clinker with very low liquid phase viscosity.	83,0/87,0		1,0/15,0	<0,60	<0,45	<0,90		3,02	14	82	>5,0	>40	12	1,80	32
MAGNESIA CHROME BRICKS																
MAGNEFOR	Magnesia-chrome refractory brick with high thermal shock resistance and excellent coatibility behaviour.	79,0/83,0	4,0/9,0	<6,5	<5,00	<3,50	<0,75		2,9	19	52	>5,0	>50	>50	1,85	15
MAGNEFOR 60	Fired direct bonded magnesia chrome refractory brick, with high hot modulus of rupture. Indicated for sulphate resistant clinker.	62,0/68,0	12,0/16,0	<11,0	<9,50	<2,00	<0,65		3,11	16	50	>3,0	>40	>50	1,50	<25
MAGNEFOR 70	High fired magnesia chrome brick, volumetrically stable, with high hot modulus of rupture and thermal shock resistance.	67,0/74,0	9,50/13,50	Max. 10,0	Max. 9,00	Max. 2,50	Max. 0,60		3,01/3,13	15,0/19,0	35/85	4 (1485°C)	Min. 50		1,30 (1200°C)	

All bricks are supplied with a pre-attached expansion cardboard.
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.
2011-02







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