

# Technical data

## B 1800 from HASLE Refractories A/S

		HASLE
		B 1800
<b>Chemical analysis:</b>		
Al <sub>2</sub> O <sub>3</sub> .....	%	93
TiO <sub>2</sub> .....	%	0,0
SiO <sub>2</sub> .....	%	1
Fe <sub>2</sub> O <sub>3</sub> .....	%	0,1
CaO.....	%	4,0
SiC.....	%	-
<b>Physical data:</b>		
Refractoriness	PCE	36
Max. service temperature	°C	1800
Bulk density	kg/m <sup>3</sup>	2900
Max. grain size	mm	6
<b>Modulus of rupture</b>		
after heating to:	110°C MPa	10
	500°C MPa	9
	1000°C MPa	9
	1500°C MPa	9
<b>Cold crushing strength</b>		
after heating to:	110°C MPa	80
	500°C MPa	70
	1000°C MPa	70
	1500°C MPa	70
<b>Drying shrinkage:</b>		
	110°C %	0,2
<b>Linear shrinkage</b>		
excl. drying shrinkage		
after heating to:	500°C %	0,0
	1000°C %	0,0
	1500°C %	-0,4
<b>Thermal conductivity:</b>		
	400°C W/mK	2,09
	800°C W/mK	1,86
	1200°C W/mK	1,86
<b>Alkali test (scale 0-10) .....</b>		9
<b>Resistance to abrasion.....</b>	g/cm <sup>2</sup>	0,20
<b>Resistance to thermal shock .....</b>		Extra high
<b>Reversible linear expansion</b>		
to 1000°C.....	%	0,78
<b>Average water addition.....</b>	%	8

### Alkali test

The alkali test according to DIN 51069, page 2, as slight, medium or heavy. This evaluation is supplemented with the 0-10 points scale of HASLE Refractories A/S, which system in principle states the depth of attack in mm. The above data are subject to normal deviation and should not be used as specifications.

The technical data represent average reference values established by DIN- and EN-test procedures in our ceramic laboratory. They serve to give general information, they are liable to natural deviations, and they are not to be cited as guaranteed properties or guaranteed values.