



# Technical Data Lining bricks

## Typical chemical analysis

	KREUTZALOX 92	KREUTZALOX 95	KREUTZALOX 99,5
--	---------------	---------------	-----------------

Al <sub>2</sub> O <sub>3</sub>	92 %	95 %	99,5 %
SiO <sub>2</sub>	3,50 %	2,20 %	0,12 %
MgO	2,35 %	1,40 %	0,15 %
CaO	1,90 %	1,10 %	0,05 %
Na <sub>2</sub> O	< 0,20 %	< 0,20 %	0,08 %
Fe <sub>2</sub> O <sub>3</sub>	< 0,50 %	< 0,50 %	0,03 %

Specific gravity/density	> 3,60 g/cm <sup>3</sup>	> 3,69 g/cm <sup>3</sup>	> 3,68 g/cm <sup>3</sup> *
Water absorption	0%	0%	< 0,4 %
Hardness Mohs	~ 9	~ 9	~ 9
Colour	white	white	white
Stability of temperatur	until 1.300 °C	until 1.300 °C	until 1.300 °C
Bending strength	> 340 N/mm <sup>2</sup>	> 340 N/mm <sup>2</sup>	> 300 N/mm <sup>2</sup>
Compressive strength	> 2.250 N/mm <sup>2</sup>	> 2.250 N/mm <sup>2</sup>	> 1.750 N/mm <sup>2</sup>

The mentioned values are to be understood as standard values.

Measurements	Weight	KREUTZALOX 92	KREUTZALOX 95
		Rectangular bricks	Rectangular bricks
154 x 100 x 75 mm	ca. 4.300 g	● ● ●	
154 x 100 x 70 mm	ca. 4.100 g	● ● ●	
154 x 100 x 52 mm	ca. 2.850 g	● ● ●	
154 x 100 x 25 mm	ca. 1.400 g	● ● ●	
154 x 100 x 12,5 mm	ca. 670 g	● ● ●	
155 x 100/95 x 52 mm	ca. 2.850 g	● ● ●	
100 x 100 x 52 mm	ca. 1.940 g	● ● ●	
100 x 100 x 25 mm	ca. 860 g	● ● ●	
100 x 100 x 12,5 mm	ca. 440 g	● ● ●	
100 x 75 x 52 mm	ca. 1.360 g	● ● ●	
100 x 75 x 25 mm	ca. 700 g	● ● ●	
100 x 50 x 52 mm	ca. 860 g	● ● ●	□ □ □
100 x 50 x 25 mm	ca. 470 g	● ● ●	□ □ □
100 x 50 x 36/30 mm	ca. 610 g	● ● ●	
100 x 50 x 36/33 mm	ca. 610 g	● ● ●	

Tolerances according to DIN 40680-Teil 1. Middle

- standard
- special size by inquiry