



TECHNICAL DATA

CALDE™ BRICK B 85

PRODUCT TYPE	: Alumina silica brick
	Fired
Main component	: Bauxite

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
<u>CHEMICAL ANALYSIS</u>			
SiO ₂	EN 955-5	10 - 12	%
Al ₂ O ₃	EN 955-5	83 - 85	%
Fe ₂ O ₃	EN 955-5	< 1.8	%
<u>PHYSICAL PROPERTIES</u>			
<u>As received</u>			
Bulk density	EN 993-1	2.75 - 2.90	g/cm ³
Apparent Porosity	EN 993-1	18 - 19	%
Cold crushing strength	EN 993-5	80	MPa
<u>Refractoriness Under Load T°C for 0,5%</u>	-	1500	°C

Commercial Code : MAB80001

Version : 10

Date : 11/07/2013

The data are current production averages. They cannot be used as limits for a specification.



TECHNICAL DATA

CALDE™ MAG BRICK MA 85**PRODUCT TYPE**

: Magnesia-Spinel bricks

Main component

Fired

: Magnesia

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
CHEMICAL ANALYSIS			
Al ₂ O ₃	EN 955-5	9 - 11	%
MgO	EN 955-5	84 - 87	%
Fe ₂ O ₃	EN 955-5	< 1	%
CaO	EN 955-5	< 1	%
PHYSICAL PROPERTIES			
<u>As received</u>			
Bulk density	EN 993-1	2.95	g/cm ³
Apparent Porosity	EN 993-1	17	%
Cold crushing strength	EN 993-5	55	MPa
<u>Thermal conductivity</u>			
at a mean temperature of 1000 °C		3.0	W/mK
<u>Thermal Shock Resistance (at 950°C)</u>			
Cooling by air (Nr. of cycles)	-	> 100	-
Reversible thermal expansion after firing [20-1000 °C]		1.4	%
Refractoriness Under Load T°C for 0,5%	-	1700	°C

Commercial Code : MBB80002

Version : 11

Date : 18/05/2015

The data are current production averages. They cannot be used as limits for a specification.



TECHNICAL DATA

CALDE™ MAG BRICK MF 80

PRODUCT TYPE	: Magnesia-Hercynite bricks
Fired	
Main component	: Magnesia

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
<u>CHEMICAL ANALYSIS</u>			
MgO	EN 955-5	80	%
Al ₂ O ₃	EN 955-5	5	%
Fe ₂ O ₃	EN 955-5	8 - 10	%
<u>PHYSICAL PROPERTIES</u>			
As received			
Bulk density	EN 993-1	2.95	g/cm ³
Apparent Porosity	EN 993-1	17	%
Cold crushing strength	EN 993-5	55	MPa
Refractoriness Under Load T°C for 0,5%	-	1680	°C

Commercial Code : MBB80003

Version : 10

Date : 26/07/2013

The data are current production averages. They cannot be used as limits for a specification.