



## PRODUCT DATA SHEET

<b>Product Brand:</b>	<b>iCARB-MF5-C07-AS7</b>
<b>Product Type:</b>	<b>Magnesia Carbon Brick</b>
<b>Product Description:</b>	Carbon bonded brick based on large crystal fused magnesia and natural flake graphite with anti-oxidant additions

### Control Properties:

<b><u>As Received:</u></b>				
Test Property	Test Method	Units	Typical	
Bulk Density:	DIN EN 993-1	g/cm <sup>3</sup>	3.09	
Apparent Porosity:	DIN EN 993-1	%	3.8	
Cold Crushing Strength:	DIN EN993-5	N/mm <sup>2</sup>	50	
<b><u>Coked:</u></b> ( 2hrs at 1000 °C )				
Bulk Density:	DIN EN 993-1	g/cm <sup>3</sup>	3.04	
Apparent Porosity:	DIN EN 993-1	%	9.8	
Cold Crushing Strength:	DIN EN993-5	N/mm <sup>2</sup>	35	
P.L.C	PRE/R 19	%	0.0	
<b><u>Chemical Analysis:</u></b> ( The presence of antioxidants will affect any analysis on an ignited basis )*				
Residual Carbon	ASTM C831-98	%	7.00*	
MgO	DIN EN 955-5	%	84.94	
SiO <sub>2</sub>	DIN EN 955-5	%	2.59	
CaO	DIN EN 955-5	%	1.33	
Fe <sub>2</sub> O <sub>3</sub>	DIN EN 955-5	%	0.63	
Al <sub>2</sub> O <sub>3</sub>	DIN EN 955-5	%	3.51	

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<b>Version: 01</b>	The values given are indicative of expected property values for product tested. Please note this data is supplied for information only and as such does not constitute a product specification	<b>Print Date : 2021-09-26</b>
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