


Date: 02/07/16		Material Specification for Gunning Mix		 IRAN ALLOY STEEL CO.											
Rev.: 00															
ID code :N-065994.Y		Area : EAF		Storage site : -											
General properties															
Basic Components:Magnesia			Bonding System: Sintered												
Classification: Sintered Magnesita															
<u>Chemical composition (wt. %) :</u> <table> <tr><td>MgO</td><td>Min 88</td></tr> <tr><td>CaO</td><td>Max 4.0</td></tr> <tr><td>SiO₂</td><td>Max 5.0</td></tr> <tr><td>Fe₂O₃</td><td>Max 4.0</td></tr> <tr><td>Al₂O₃</td><td>0.5-0.8</td></tr> </table>			MgO	Min 88	CaO	Max 4.0	SiO ₂	Max 5.0	Fe ₂ O ₃	Max 4.0	Al ₂ O ₃	0.5-0.8	<u>Fig.</u> 		
MgO	Min 88														
CaO	Max 4.0														
SiO ₂	Max 5.0														
Fe ₂ O ₃	Max 4.0														
Al ₂ O ₃	0.5-0.8														
			<u>Map no.:</u> -												
<u>Sieve analysis /Dimension:1-3mm</u>															
<u>Physical properties :</u>															
Poured Density		2.4-2.6	g/cm ³												
Appearance Porosity			%												
<u>Mechanical/Thermal properties:</u>															
Cold Crushing Strength at 110°C		Min50	kg/cm ²												
Cold Crushing Strength at 1200°C		Min50	kg/cm ²												
Cold Crushing Strength at 1500°C		Min100	kg/cm ²												
Thermal Conductivity		W/m	.° k												
Thermal Expansion			%												
Thermal Shock Resistance		cycle													
Max Service Point		1750	° C												
<u>Remark:</u>															
<u>Packing:</u>															
Shelf life: <input checked="" type="checkbox"/> 1 Year NA <input type="checkbox"/>															
<u>Quality Check:</u>															
Certificate from supplier and laoratory test															
Edited: Ehsan Zarezadeh		Checked:Mahdi Eslampour		Approved: Mohammadali Jafarzadeh											