



Date: 98/03/09 Rev.: 00		Material Specification for EAF Roof		 IRAN ALLOY STEEL CO.	
ID code: 7003030012		Area: EAF3		Storage site: PU17	
General properties					
Basic Components: Alumina and Refractory cement			Bonding System: Hydraulic and Ceramic		
Classification: Fused Magnesia					
Chemical composition (wt. %) : <div> Al_2O_3 82-88 SiO_2 10-13 CaO 0.3-1 Fe_2O_3 0.5-1.2 TiO_2 0.5-0.8 </div>			Fig. 		
			Map no.: ND1203		
Sieve analysis /Dimension:-					
Physical properties : -					
Bulk Density	g/cm ³	Min	2.8		
Appearance Porosity	%		-		
Mechanical/Thermal properties:					
Permanent Linear Change	%		-		
Cold Crushing Strenght at 110°C	kg/cm ²	Min	400		
Refractoriness Under Load	°C		-		
Hot Modulus of Rupture	kg/cm ²		-		
Thermal Conductivity	W/m . ° k		-		
Thermal Expansion	%		-		
Thermal Shock Resistance	cycle		-		
Max Service Point	° C		1680		
Remark: -					
Packing: -					
Shelf life: <input checked="" type="checkbox"/> 1 Year NA <input type="checkbox"/>					
Life time: -					
Quality Check:					
Certificate from supplier and laboratory test					
Edited: 1-Mehdi Eslampoor		Checked: 1-Ahmad Jafarian		Approved: 1- Mohammad Ali Jafarzadeh	